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County Palatine of Chester

REPORT

for the Year

1941

BY THE

County

Medical Officer of Health

Presented to the

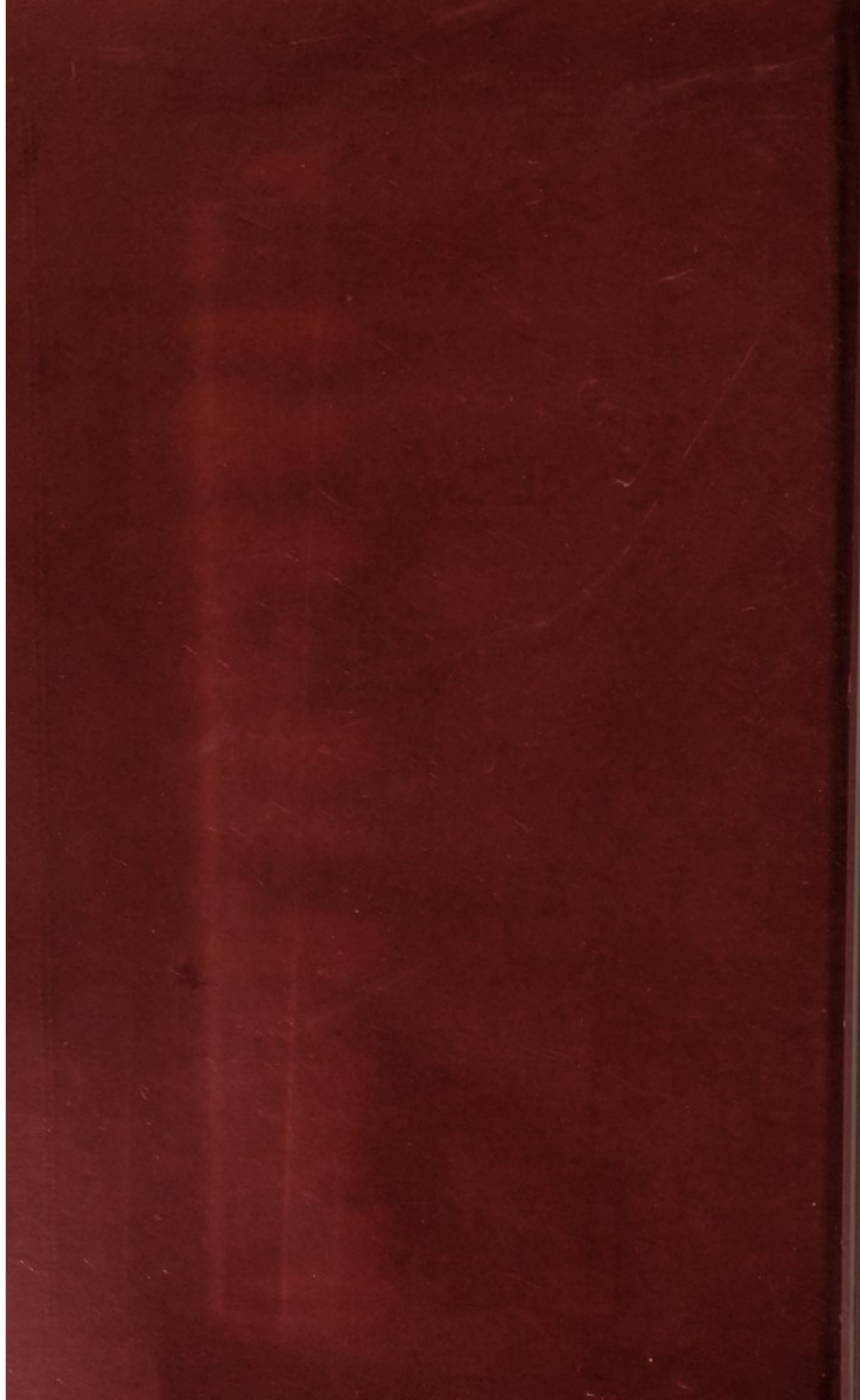
Public Health and Housing Committee

OF THE COUNTY COUNCIL

15th October, 1942

Chester :

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REPORT
OF THE
County Medical Officer of Health

For the Year ending December 31st, 1941.

*To the Public Health and Housing Committee of the
County Council of the County Palatine of Chester
and to the Members of the County Council.*

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INTRODUCTION

*To the Chairman and Members of the Public Health
Committee of the Cheshire County Council.*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you my report on the health and sanitary circumstances of the County for the year 1941.

As previously stated in the Introductions to the Annual Reports for 1939 and 1940, the Ministry of Health eliminated a number of the more complex forms of statistical returns. In addition, this year the Ministry has issued instructions that no details of populations of individual County Districts shall be printed, nor any statistics which would enable such figures of populations to be constructed, and this explains the omission of some of the usual information from Table C. Information on matters of Public Health or medical interest due to the war will be found on pp. 54, 62 and 73.

The infantile mortality for 1941 was 54.8 per 1,000 live births, i.e., much the same as last year, and distinctly less than the average for the country as a whole, which was 59. The maternal mortality continues to be low, viz., 2.46 per 1,000 births live and still.

Your obedient servant,

IAN C. MACKAY, M.B., Ch.B., D.P.H.,
County Medical Officer.

10th June, 1942.

Staff of the Public Health Department

County Medical Officer of Health and Chief School Medical Officer.	... Ian Campbell Mackay, M.B., Ch.B., D.P.H.
Deputy County Medical Officer of Health	... Arnold Brown, M.D., D.P.H.
Lady Assistant Medical Officer	... Jean R. Shaw, M.B., Ch.B., D.P.H.
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CHESTER.

- J. Gardiner Wigley, F.R.C.S., 40, King Street, Chester.
(Tel. Chester 938).
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LIVERPOOL.

- Percy Malpas, F.R.C.S., 31, Rodney Street, Liverpool.
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Gateacre Hall, Liverpool.
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MANCHESTER.

- W. R. Addis, F.C.O.G., 2, St. John Street, Manchester, 3.
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STOKE.

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(Tel. Hanley 48341).

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL

Medical Superintendent

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Deputy Medical Superintendent

Susan Beatty, M.B., Ch.B., B.A.O.

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H. C. Percy-Hughes, M.B., Ch.B.

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Deputy Matron ... Miss Osborne, S.R.N., S.C.M.

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Lady Almoner ... Mrs. D. Lucas

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PHYSICIAN—E. T. Baker-Bates, M.D.

EYE SURGEON—E. Allan, M.B., Ch.B.

EAR, NOSE & THROAT—P. Garson, F.R.C.S. (Ed.), D.L.O.

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PATHOLOGIST—J. Morrison Ritchie, M.A., M.B., Ch.B., D.P.H.

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RADIOLOGIST—R. F. Innes, M.B., D.R.M.E.

ANAESTHETIST—John Halton, M.B.

WEST PARK (COUNTY) GENERAL HOSPITAL
MACCLESFIELD

Medical Superintendent

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*Visiting Medical Officer
and Deputy Medical Superintendent*

S. F. Clegg, M.B., Ch.B.

Medical Officer (E.M.S.)

A. Zachmyc

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Deputy Matron—Miss K. J. O'Reilly, S.R.N., S.C.M.

Sister Tutor and Home Sister—Miss A. Hacking, S.R.N.,
S.C.M.

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Lady Almoner—Miss L. M. Reddish

CONSULTING STAFF

Consultants in Medicine, Surgery, etc.,
attend from time to time as required

MARY DENDY HOMES, ALDERLEY EDGE

Medical Superintendent

G. R. Pile, M.B., Ch.B.

Clerk and Steward

Miss A. Olive

WRENBURY HALL, NANTWICH

Medical Superintendent

Peter W. Edwards, M.B., Ch.B.

Medical Officer

Marjorie Pillifant, M.B., Ch.B.

Matron

C. A. Barton, S.R.N.

HEALTH VISITORS (42)

For districts in italics, M. & C.W. work is not done; for districts in small capitals, M. & C.W. and School Medical work is not done; for districts in italic capitals, School Medical work is not done.

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 1. Elizabeth Owen, 8, Market Street, Hoylake (Tel. Hoylake 2322)	Caldy Frankby Grange Greasby Hoylake-cum-West Kirby	Welfare Centre, 8, Market Street, Hoylake <i>Thurs. p.m.</i> (Tel. Hoylake 2322) School Clinic, 8, Market Street, Hoylake <i>Mon.—Fri. a.m.</i> (Tel. Hoylake 2322) Welfare Centre, Methodist Church Hall, <i>Alt. Tues. p.m.</i> Greasby
DISTRICT No. 2a C. Turcan, 4, Alpha Drive, Rock Ferry, Birkenhead (Tel. Rock Ferry 1179)	<i>Bebington-cum-Bromborough</i> Brimstage Capenhurst Eastham Great Saughall Ledsham Little Saughall <i>Poulton-cum-Spital</i> Woodbank	School Clinic, St. Mark's Parish Room, New Ferry <i>Mon., Wed., Thurs., Fri. p.m.</i> Tub. Disp., 42, Hamilton Square, Birkenhead <i>Tues. p.m.</i> (Tel. Birkenhead 3080)
DISTRICT No. 2b K. E. Carr, 292, Menlove Avenue, Woolton, Liverpool (Tel. Liv. Gateacre 2387)	Barnston Burton Gayton Heswall Irby	Ness Neston-cum-Parkgate Pensby Thurstaston Willaston
DISTRICT No. 3a E. Greene, Greysfield, 50a, Liverpool Road, Chester (Tel. Chester 1439)	Backford Caughall <i>Childer Thornton</i> Chorlton Croughton <i>Ellesmere Port</i> <i>Gt. Stanney</i> <i>Gt. Sutton</i> Hooton	<i>Ince</i> Lea Little Stanney <i>Little Sutton</i> Mollington Moston Picton Stoke Wervin
DISTRICT No. 3b A. Smith, 69, Bouverie Street, Chester (Tel. Chester 2716)	Aldford Buerton Chester Castle Churton Heath Claverton Dodleston Eaton Eccleston	Huntington Kinnerton Lea Newbold Marlston Poulton Pulford Rowton Saughton
DISTRICT No. 4 H. Marston, 43, Victoria Road, Chester (Tel. Chester 2986)	Bache Barrow Bridge Trafford Christleton Dunham Elton Great Boughton Guilden Sutton	Hapsford Hoole U.D. Hoole Village Littleton Mickle Trafford Thornton-le-Moors Upton Wimbolds Trafford
DISTRICT No. 5 G. Wells, 75b, Dee Banks, Chester (Tel. Chester 1936)	Ashton Beeston Bruen Stapleford Burton-by-Tarvin Clotton Hoofield Cotton Abbots Cotton Edmunds Eaton Duddon Eaton Foulk Stapleford Hatton Hockenhull	Horton-cum-Peel Huxley Iddinshall Kelsall Mouldsworth Pryor's Heys Tarpорley Tarvin Tilstone Fearnall Tiverton Utkinton Waverton Willington
		Welfare Centre, 55, Hoole Road, Chester <i>Tues. p.m., 1st Thurs. p.m.</i> School Clinic, 55, Hoole Road, Chester <i>Mon.—Fri. a.m.</i> Ante-Natal Clinic, 55, Hoole Road, Chester <i>2nd Thurs. p.m. (v. No. 6)</i>
		School Clinic, York Road, Ellesmere Port <i>Mon.—Fri. a.m. (v. No. 3b)</i> (Tel. E. Port 328)
		School Clinic, York Road, Ellesmere Port <i>Mon.—Fri. a.m. (v. No. 3a)</i> (Tel. E. Port 328)
		Welfare Centre, Wesleyan Sunday School, <i>Alt. Mon. p.m.</i> Heswall Welfare Centre, Wesleyan Sunday School, <i>Thurs. p.m.</i> Neston School Clinic, Wesleyan Sunday School, <i>Wed. p.m.</i> Neston School Clinic, Wesleyan Sunday School, <i>Tues. p.m.</i> Heswall Tub. Disp., 42, Hamilton Square, Birkenhead <i>Fri. p.m.</i> (Tel. Birkenhead 3080)

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES	
DISTRICT No. 6 D. Toft, The Oaks Lodge, Upton, Chester	Agden Aldersey Barton Bickerton Bickley Bradley Horton Broxton Burwardsley Caldecott Carden Chidlow Chorlton Chowley Church Shocklach Churton-by-Alfd Churton-by-Fdon Clutton Coddington Crewe Cuddington Duckington Edge Edgerley Egerton Farndon Golborne Bellow	Golborne David Grafton Hampton Handley Harthill Kings Marsh Larkton Macefen Malpas Marbury Newton-by-Malpas Newton-by-Tattenhall Norbury Oldcastle Overton Shocklach Oviatt Stockton Stretton Tattenhall Threapwood Tilston-by-Malpas Tushingham Wigland Wirswall Wychough	Welfare Centre, Jubilee Hall, Malpas <i>Alt. Mon. p.m. (v. No. 5)</i> School Clinic, Jubilee Hall, Malpas <i>Thurs. p.m.</i> Tuberculosis Dispensary, 2, King's Buildings, Chester <i>Wed. a.m. (Tel. Chester 2874)</i> Ante-Natal Clinic, 55, Hoole Road, Chester <i>2nd Thurs. p.m. (v. No. 4)</i> School Clinic, School House, Tattenhall <i>Tues. p.m.</i>
DISTRICT No. 7 J. Charnley, 196, Ditchfield Road, Hough Green, Widnes E. Riley, 17, Cornwall Avenue, Runcorn A. A. Briers, 8, Daisy Mount, Maghull, Liverpool	Runcorn U.D. (Mersey and Halton Wards) Runcorn U.D. (Weston and Heath Wards) Runcorn U.D. (Bridgewater, Central and Newtown Wards)	Welfare Centre, 29, High Street, Runcorn <i>Wed. a.m. and p.m. (Tel. Runcorn 2449)</i> School Clinic, 29, High Street, Runcorn <i>Tues. a.m. (Tel. Runcorn 2449)</i> <i>Mon., Thurs., Fri. p.m.</i> Ante-Natal Clinic, 29, High Street, Runcorn <i>Thurs. a.m. (Tel. Runcorn 2449)</i>	
DISTRICT No. 8. B. Bird, The Bungalow, Chester Road, Sutton Weaver, Warrington	Alvanley Aston Frodsham Halton	Helsby Kingsley Manley Norley Sutton	School Clinic, Trinity Church House, <i>Fri. p.m. Frodsham</i> Tuberculosis Disp., Mem. Hosp., Runcorn <i>Thurs. a.m. and p.m. (Tel. Runcorn 2046)</i> Welfare Centre, Trinity Church House, <i>Alt. Tues. p.m. Frodsham</i>
DISTRICT No. 9 W. Kidd, Parkfield, Middlewich Road, Northwich (Tel. Northwich 2186)	Acton Anderton Barnton Comberbach Crowton	Great Budworth Little Leigh Marbury Marston Weaverham	Welfare Centre, Parish Hall, Weaverham <i>Alt. Tues. p.m.</i> Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m. Northwich</i> School Clinic, C.E. School, Barnton <i>Wed. a.m. and p.m.</i> School Clinic, Council School, Weaverham <i>Tues. and Fri. a.m.</i>
DISTRICT No. 10 E. Middlehurst, 9, Lee Drive, Northwich (Tel. Northwich 4977)	Allstock Aston-by-Budth Bexton Goostrey Knutsford U.D. Lostock Gramam Mere Nether Peover Ollerton	Peover Inferior Peover Superior Pickmere Plumley Tabley Inferior Tabley Superior Toft Twemlow Wincham	School Clinic, Mission Hall, Adams Hill, <i>Wed. p.m. Knutsford</i> Tuberculosis Dispensary, Orthopaedic Clinic Northwich <i>Tues. pm. (Tel. Northwich 332)</i> Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m. Northwich</i>
DISTRICT No. 11 O. D. Davies, 29, Lee Drive, Northwich F. M. Ramsey, Briar Cottage, Daleford Lane, Whitegate, Northwich	Northwich U.D. (Witton and Northwich Wards) Northwich U.D. (Castle and Winnington Wards)		Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i>
DISTRICT No. 12 M. A. Chune, Parkfield, Middlewich Road, Northwich (Tel. N'wich 21.6)	Cuddington Davenham Hartford Lack Dennis Little Eudworth	Marton Moulton Oakmere Rudheath Whitcroft	School Clinic, Parkfield, Middlewich Road, <i>Thurs. a.m. Northwich</i> <i>Mon., Tues., Wed., Fri. p.m.</i> Welfare Centre, Parkfield, Middlewich Road, <i>Thurs. p.m. Northwich</i>
DISTRICT No. 13 G. W. Johnson, Highfield, Swanlow Lane Winsford	Winsford U.D.	Darnhall	Welfare Centre, 98, Weaver Street, Winsford <i>Fri. p.m. (Tel. Winsford 2387)</i> School Clinic, 98, Weaver Street, Winsford <i>Mon. and Wed. p.m., Fri. a.m. (Tel. Winsford 2387)</i>

	CIVIL PARISHES		CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 14 M. E. Fox The Priory, Middlewich (Tel. Middlewich 165)	Middlewich U.D. Bostock Byley Church Hulme Crnaga	Moulton Sproston Stanthorne Wimboldsley	Welfare Centre, The Priory, Middlewich <i>Mon. p.m.</i> (Tel. Middlewich 165) School Clinic, The Priory, Middlewich <i>Mon. a.m., Wed. and Fri. p.m.</i> (Tel. Middlewich 165)
DISTRICT No. 15 D. Thompson, The Dowery, Barker Street, Nantwich (Tel. Nantwich 5360)	Nantwich U.D. Aston Cholmondeston Church Minshull Henhull Leighton	Minshull Vernon Poole Warmingham Wettenhall Woolstanwood Worleston	Welfare Centre, The Dowery, Nantwich <i>Mon. and Thurs. p.m.</i> (Tel. Nantwich 5360) School Clinic, The Dowery, Nantwich <i>Mon.—Fri. a.m.</i> (Tel. Nantwich 5360)
DISTRICT No. 16 A. Merry (temporary), Willan Cottage, Crewe Road, Nantwich (Tel. Nantwich 5162)	Acton Alraham Audlem Austerson Baddiley Baddington Batherton Brindley Broomhall Buerton Bulkeley Bunbury Burland Calveley	Cholmondeley Chorley Coole Pilate Dodcott-cum- Wilkesley Edleston Faddiley Hankelow Hatherton Haughton Hunsterson Hurleston Newhall Peckforton	Ridley Sound Spurstow Stapeley Stoke Walgherton Wardle Willaston Wistaston Woodcott Wrenbury Wybunbury
DISTRICT No. 17 R. Walch, Clifford House, Park Road, Willaston, Nantwich (temporarily transferred from No. 16 during absence of Nurse Percival with H.M. Forces)	CREWE M.B. Alsager U.D. Barthomley Basford Blakenhall Bridgemere Checkley-cum- Wrinehill Chorlton	Church Lawton Crewe (Rural) Doddington Haslington Hough Lea Rope Shavington Weston	Welfare Centre, St. Mary's Sunday School <i>Alt. Tues. p.m.</i> Alsager Welfare Centre, Yoxall Institute, Haslington <i>Alt. Tues. p.m.</i> Tuberculosis Dispensary, Memorial Hospital, <i>Mon. a.m. and p.m.</i> Crewe <i>Thurs. a.m.</i> (Tel. Crewe 2525)
DISTRICT No. 18 E. S. Taylor, 76, Liverpool Road, Sankey, Warrington (Tel. Penketh 175)	Antrobus Appleton Daresbury Dutton Grappenhall Hatton Moore	Norton Preston Brook Stockton Heath Stretton Walton Whitley	Welfare Centre, Methodist Sunday School, <i>Alt. Mon. p.m.</i> Grappenhall Welfare Centre, Methodist Sunday School, <i>Alt. Mon. p.m.</i> Stockton Heath
DISTRICT No. 19 M. H. Jones, 29, Eagle Brow, Lymm (Tel. Lymm 277)	Lymm U.D. Carrington High Legh	Partington Warburton	Welfare Centre, 29, Eagle Brow, Lymm <i>Tue. p.m.</i> (Tel. Lymm 277) Welfare Centre, St. Mary's Institute, <i>Alt. Thurs. p.m.</i> Partington School Clinic, 29, Eagle Brow, Lymm <i>Mon.—Fri. a.m.</i> (Tel. Lymm 277)
DISTRICT No. 20 M. Ross, 70, Chapel Road, Sale (Tel. Sale 1329) H. Wingfield, 70, Chapel Road, Sale (Tel. Sale 1329)	Sale M.B. (St. Martin's, St. Mary's, Mersey and West Wards) Sale M.B. (Central, East, North and South Wards)		Welfare Centre, 70, Chapel Road, Sale <i>Mon. and Thurs. p.m., 2nd Wed. p.m.</i> School Clinic, 70, Chapel Road, Sale <i>Mon.—Fri. a.m.</i> (Tel. Sale 1329) Ante-Natal Clinic, 70, Chapel Road, Sale <i>1st & 3rd Wed. p.m.</i> (Tel. Sale 1329) Artificial Sunlight Clinic, 70, Chapel Rd., Sale <i>Tues. and Fri. p.m.</i> (Tel. Sale 1329) (temporarily suspended)
DISTRICT No. 21a E. Edwards, 34 Aven Road, Hale, Altrincham	Bowdon U.D. Hale U.D. Ashley	Ringway Rostherne Tatton	Welfare Centre, Methodist Schoolroom, <i>Alt. Thurs. p.m.</i> Bowdon School Clinic, 1, Hawthorn Road, Hale <i>Mon., Wed., Fri. p.m.</i> Tuberculosis Dispensary, General Hospital, <i>Mon. 6 p.m., Wed., Fri. a.m.</i> Altrincham
DISTRICT No. 21b L. E. H. Tripp, Sampford Brett, Altrincham (Tel. Altrincham 1884)	Altrincham M.B. Agden Bollington	Dunham Massey Millington	School Clinic, Mountlands, Altrincham <i>Mon., Tues., Fri. a.m.</i> School Clinic, Homestead, Timperley <i>Wed. a.m.</i> Tuberculosis Dispensary, General Hospital, <i>Fri. p.m.</i> (Tel. Alt. 2678) Altrincham
DISTRICT No. 22 M. Bell, Alma House, Altrincham Road, Wilmslow (Tel. Wilmslow 2635)	Alderley Edge U.D. Wilmslow U.D. Chorley	Gt. Warford Marthall-cum- Warford Mobberley	Welfare Centre, Alma House, Wilmslow <i>Thurs. p.m.</i> (Tel. Wilmslow 2635) Welfare Centre, Hall Lane, Mobberley <i>Alt. Thurs. p.m.</i> Welfare Centre, Church Institute, Alderley <i>Fri. p.m.</i> Edge School Clinic, Alma House, Wilmslow <i>Tues., Thurs., Sat. p.m.</i> (Tel. Wilmslow 2635)

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 23 M. Spencer, 4, Elm Drive Pownall Estate, Macclesfield	MACCLESFIELD M.B. North Rode Bosley Nether Alderley Chelford Over Alderley Eaton Prestbury Gawsworth Siddington Henbury Snelson Hulme Walfield Somerford Marton Somerford Booths Mottram-St.- Andrew Swettenham Withington	Welfare Centre, Wellington Road, Bollington <i>Alt. Thurs. p.m. (v. No. 28)</i> Tuberculosis Dispensary, General Infirmary, <i>Mon. and Fri. p.m.</i> Macclesfield (Tel. Macclesfield 2913)
DISTRICT No. 24 Esme Owen, 12, West Street, Congleton (Tel. Congleton 169)	Sandbach U.D. Arclid Betchton Bradwall	Brereton Elton Hassall Smallwood Tetton
DISTRICT No. 25 G. F. Finger, 12, West Street, Congleton (Tel. Congleton 169)	CONGLETON M.B. Moreton-cum- Alcumlow	Newbold Astbury Odd Rode
DISTRICT No. 26 (a) S. Ward, 9, Grange Avenue, Cheadle Hulme (Tel. Cheadle Hulme 89) (b) M. Lee 74, Heathside Road, Cheadle Heath, Stockport	Cheadle and Gatley U.D. (Cheadle Hulme and Hald Green Wards) Cheadle and Gatley U.D. (Cheadle and Gatley Wards)	Welfare Centre, 12, West Street, Congleton <i>Mon. p.m.</i> (Tel. Congleton 169) School Clinic, Parish Hall, Odd Rode <i>2nd and 4th Tues. p.m.</i> Welfare Centre, Parish Hall, Odd Rode <i>2nd and 4th Wed. p.m.</i> Tuberculosis Dispensary, Mem. Hospital, <i>Fri. a.m.</i> Congleton Ante-Natal Clinic, 12, West Street, Congleton <i>2nd & 4th Thurs. p.m.</i> (Tel. Congleton 169)
DISTRICT No. 27 F. G. Brentnall, 3, Parsonage Road, Heaton Moor, Stockport	Hazel Grove and Bramhall U.D. (except Woodford Ward)	School Clinic, All Saints' Parish Room, <i>Mon., Wed., Fri. p.m.</i> Cheadle Hulme Welfare Centre, Mission Hall, Cheadle Hulme <i>Alt. Tues. p.m.</i> School Clinic, Literary Institute, Cheadle <i>Mon., Wed. and Fri. a.m.</i> Welfare Centre, Wesleyan Sunday School, <i>Alt. Tues. p.m.</i> Cheadle
DISTRICT No. 28 C. Commins, 173, Coppice Road, Poynton Stockport	Bollington U.D. Poynton Adlington Rainow Hurdshfield Sutton Kettleshulme Wildboardclough Lyme Handley Wincle Macclesfield Forest Pott Shrigley Woodford [Ward]	Wesleyan Sunday School, Hazel Grove <i>Thurs. p.m.</i> School Clinic, 249, London Rd., Hazel Grove <i>Tues. a.m., Fri. p.m.</i> Welfare Centre, Wellington Road <i>Alt. Thurs. p.m. (v. No. 23)</i> Bollington Welfare Centre, Methodist Sunday School, <i>Alt. Thurs. p.m.</i> Poynton
DISTRICT No. 29a E. Hardy, 4, Bird Hall Avenue, Cheadle Hulme	Bredbury and Romiley U.D. (Bredbury Ward)	Welfare Centre, Congregational Sunday <i>Tues. a.m. and p.m.</i> School, Bredbury
DISTRICT No. 29b M. Wilkinson, 5, Portland Place, Mottram Road, Stalybridge	Bredbury and Romiley U.D. (Romiley and Compstall Wards) STALYBRIDGE M.B.	Welfare Centre, Central Drive, Romiley <i>Thurs. p.m.</i> School Clinic, Central Drive, Romiley <i>Mon. p.m.</i> Tuberc. Dispens., Gt. Egerton St. Stockport <i>Tues. a.m.</i> (Tel. Stockport 2204)
DISTRICT No. 30 E. Ollerenshaw, 159, Talbot Road, Hyde (Tel. Hyde 806) S. Rushton, 132, Chapel St., Dukinfield	DUKINFIELD M.B. (East Ward) DUKINFIELD M.B. (Central and West Wards)	Welfare Centre, 212, Astley Street, Dukinfield <i>Wed. and Thurs. a.m. and p.m.</i> (Tel. Ashton 1689)
DISTRICT No. 31 A. Bullough, Glenwood, Mottram Road, Hyde	HYDE M.B. Longdendale U.D. Tintwistle R.D.	Welfare Centre, St. Mary's Sunday School, <i>Alt. Thurs. p.m.</i> Hollingworth School Clinic, Council School, Hollingworth <i>Tues. a.m.</i> Tuberculosis Dispensary, Beeley Street, Hyde <i>Mon. a.m., Wed. 2 & 6 p.m.</i> (Tel. Hyde 587)
DISTRICT No. 32 S. Dickson, Bute House, Marple Bridge, Stockport (Tel. Marple 177)	Marple U.D. Disley R.D.	Welfare Centre, Housewifery Centre, Disley <i>Alt. Tues. p.m.</i> Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> School Clinic, Parish Hall, Marple <i>Wed. a.m.</i> Welfare Centre, Methodist Sunday School, <i>Alt. Thurs. p.m.</i> Marple Bridge

COUNTY MIDWIVES (67)

No.	Name	Address	Telephone
1	M. N. Parr	32, Waverley Road, Hoylake — —	Hoylake 2570
2	S. E. Peacock	5, Broughton Avenue, West Kirby —	Hoylake 2526
4	M. Boothroyd	20, Larchwood Drive, Woodhey, Bebington	Rock Ferry 2303
5	A. E. Hamer	105, Alport Lane, Bromborough —	Bromborough 531
6	M. Uytendhal	19, Bolton Road East, New Ferry —	Rock Ferry 2301
7	M. E. Wright	Fernbank, 4, Bromborough Road, Bebington	Rock Ferry 40
8	R. Baines	Sunnymede, Liverpool Road, Neston —	Neston 325
9	L. M. Bradshaw	Newlands, Berwick Gardens, Little Sutton	Hooton 2138
10	E. Butler	Mersey View, Pooltown Road, Whitby	E. Port 240
11	V. E. Corson	Dormy, Wilkinson Street, Ellesmere Port	E. Port 146
12	F. Ralphs,	2, Princes Road, Ellesmere Port —	E. Port 1188
13	A. E. Williams	6, York Road, Ellesmere Port — —	E. Port 329
14	E. E. West	20, Halkyn Road, Chester — —	Chester 2274
15	E. McAllister	73, Green Lane, Chester — —	Christleton 37
16	J. Wright	Fermoy, New Road, Tarvin — —	Tarvin 100
17	E. A. Cooke	13, Waterloo Road, Runcorn — —	Runcorn 2623
18	G. Minshall	20, Leinster Street, Runcorn —	Runcorn 2798
19	E. Holt	Brynton, Heath Road, Runcorn —	Runcorn 2556
20	B. Smith	34, Russell Road, Runcorn — —	Runcorn 2013
21	J. Elliott	88, Knutsford Road, Grappenhall —	Grappenhall 384
22	A. J. Carroll	1, Stetchworth Road, Walton, Stockton Heath	St'kton Heath 611
23	N. Jones	71, East Avenue, Rudheath, Northwich	Northwich 3020
23a	E. M. Lowe	13, Middlewich Road, Northwich —	Northwich 2610
24	A. Orme	95, Victoria Road, Northwich — —	Northwich 3025
25	M. Court	117, Delamere Street, Over, Winsford—	Winsford 2311
26	A. E. Hough	Beaumont, St. Ann's Road, Middlewich	Middlewich 167
27	E. A. Bimson	20, Gatefield Street, Crewe — —	Crewe 2239
28	D. Broad	234, Hungerford Road, Crewe — —	Crewe 2495
29	N. W. Brookes	41, Samuel Street, Crewe — —	Crewe 2826
30	M. Kelly	45, Brooklyn Street, Crewe — —	Crewe 2875
31	E. G. Williams	282, Broad Street, Crewe — —	Crewe 2666
32	M. E. Wood	81, Lord Street, Crewe — —	Crewe 2825
33	E. Jones	12, Well Lane, Alsager — —	Alsager 223
34	A. Wardle	3, Manor Road, Lymm— — —	Lymm 197
36	E. Gibson	93, Carrington Lane, Sale — —	Sale 4642
37	H. Gilbody	192, Northenden Road, Sale Moor, Sale	Sale 4313
38	D. Lindley	65, Derbyshire Road South, Sale —	Sale 4383
39	K. McSweeney	27, Glebelands Road, Sale — —	Sale 1842
40	A. Whittle	220, Manchester Rd., Broadheath, Altrincham	Altrincham 1484
41	S. Leigh	5, Poplar Avenue, Altrincham — —	Altrincham 0963
43	M. A. Fittes	Dunham Woodhouses, Dunham Massey	Altrincham 0056
44	L. Starkey	1, Bancroft Road, Hale — — —	Ringway 4653
45	D. Harper	Cranford, Bradwall Road, Sandbach —	Sandbach 273
46	A. A. Rowley	51, Swan Street, Congleton — —	Congleton 430
47	R. H. Frost	Brook Bank, Townsend Road, Congleton	Congleton 429
48	M. A. Lane	3, Vaudrey Crescent, Congleton —	Congleton 442
49	C. Bayliss	94, Councillor Lane, Cheadle — —	Gatley 3797
49a	E. M. Newman	46, Victoria Avenue, Cheadle Hulme —	Ch'le Hulme 1261
50	F. W. Hampson	335, London Road, Hazel Grove —	Great Moor 3131
51	S. P. Faulkner	99, Hawthorn Street, Wilmslow —	Wilmslow 2717
52	E. Lloyd	26, Bridge Street, Macclesfield—	Macclesfield 2715
53	N. Heap	46, Western Avenue, Macclesfield —	Macclesfield 3084
54	G. H. Robinson	249, Peter Street, Macclesfield—	Macclesfield 3321
55	E. Fairclough	19, Nicholson Avenue, Macclesfield —	Macclesfield 3322
56	D. Tomlinson	7, Clegg Street, Macclesfield — —	Macclesfield 2073

COUNTY MIDWIVES (conttd.)

No.	Name	Address	Telephone
57	A. D. Hall	47, Taylor Street, Hollingworth	Mottram 214
58	L. Purvey	184, Huddersfield Road, Stalybridge	Stalybridge 2483
59	N. Robinson	6, Acres Lane, Stalybridge	Stalybridge 2821
60	H. Kirkham	128, Lindsay Street, Stalybridge	Stalybridge 2383
62	A. Lees	90, Astley Street, Dukinfield	Ashton 1073
63	A. E. Marten	218, Birch Lane, Dukinfield	Stalybridge 2443
64	L. Kitchen	7, Elm Grove, Hyde	Hyde 789
65	L. Sambrook	57, Woodfield Avenue, Hyde	Hyde 786
66	M. P. Turner	24, Lodge Lane, Flowery Field, Hyde	Hyde 798

67 L. Jones
(Variable District) 210, Broad Street, Crewe

DENTAL NURSES (10)

D. Babington	211, Fog Lane, Didsbury, Levenshulme, Manchester.
D. Griffiths	Spring Villa, Upton Park, Chester.
H. Howarth	9, Lee Drive, Castle, Northwich.
W. Parkin	Fernlea, Moss Lane, Bramhall, Stockport
M. Ramsbottom	11, Cranleigh Drive, Cheadle.
G. Rees	46, George's Crescent, Grappenhall, Warrington.
E. M. Reynolds	6, Beech Road, Lower Bebington (temporary).
J. Smith	74, Cambridge Road, Park Lane, Macclesfield.
E. Toft	The Manor, Mickle Trafford, Chester.
G. M. Watts	3, Highbury Road, Alexandra Park, Manchester.

DENTAL ATTENDANT (1)

G. R. Childs Craigmore, Wistaston, Crewe.

Superintendent Clerk — — Vincent O'Connor.

Offices—24, Nicholas Street, Chester. Telephone Chester 2305 (2 lines).

**PUBLIC VACCINATORS
and POOR LAW MEDICAL OFFICERS.**

No. 1 (BUCKLOW) AREA.

District No. 1 (Altrincham).

Altrincham M.B. Bowdon U.D. Hale U.D.
 Dunham Massey

Public Vaccinator } H. A. Logan, Manor House, Woodlands Road,
Medical Officer } Altrincham.

District No. 2 (Knutsford South).

Bexton Marthall-cum- Ollerton
Peover Inferior Warford Peover Superior
Plumley Toft

Public Vaccinator— } H. Bowring, Tithe House, Chelford Road,
Medical Officer— } Knutsford.

District No. 3 (Knutsford North).

Knutsford U.D. Agden Aston-by-Budworth
Bollington High Legh Mere
Millington Pickmere Rostherne
Tabley Inferior Tabley Superior Tatton

Public Vaccinator— } H. Bowring, Tithe House, Chelford Road,
Medical Officer— } Knutsford.

District No. 4 (Lymm).

Lymm U.D.

Public Vaccinator— } F. Wraith, Footscray, Lymm.
Medical Officer— }

District No. 5 (Sale).

Sale M.B. Carrington Partington
 Warburton

Public Vaccinator— } D. Connolly,* Heathville, Northenden Road,
Medical Officer— } Sale.

District No. 6 (Wilmslow).

Alderley Edge U.D. Wilmslow U.D. Ashley
Mobberley Ringway

Public Vaccinator— } A. Nowell,† Handforth Lodge, Handforth.
Medical Officer— }

No. 2 (MACCLESFIELD AND CONGLETON) AREA.

District No. 1 (Macclesfield).

Macclesfield M.B.

Public Vaccinator— } S. F. Clegg, Skelwith, Upton, Macclesfield.
Medical Officer— }

* Acting for J. J. Cruickshank (with H.M. Forces).

† Acting for R. Bennett (with H.M. Forces).

No. 2 (Macclesfield and Congleton) Area—Continued.**District No. 2 (Sutton and Rainow).**

Gawsworth	Hurdsfield	Kettleshulme
Macclesfield Forest	Rainow	Sutton
Wildboardclough	Wincle	

Public Vaccinator— } A. C. Gillies, 195, Park Lane, Macclesfield.
 Medical Officer— }

District No. 3 (Alderley).

Alderley Nether	Alderley Over	Chelford
Chorley	Henbury	Siddington
Snelson	Warford Great	Withington

Public Vaccinator— } E. S. Evans, Roadside, Chelford, Crewe.
 Medical Officer— }

District No. 4 (Bollington).

Bollington U.D.	Disley R.D.	Lyme Handley
Mottram St. Andrew	Pott Shrigley	Prestbury

Public Vaccinator— } G. Coope, The Waterhouse, Bollington, nr.
 Medical Officer— } Macclesfield.

District No. 5 (Eaton and Marton).

Bosley	Eaton	Marion
	North Rode	

Public Vaccinator— } R. B. Davidson, Damian House, Congleton.
 Medical Officer— }

District No. 6 (Poynton).

Adlington	Poynton-with-Worth	Woodford
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Public Vaccinator— } N. Cox, London Road, Poynton, nr. Stockport.
 Medical Officer— }

District No. 7 (Congleton).

Congleton M.B.	Hulme Walfield	Moreton-cum-
Newbold Astbury	Somerford	Alcumlow
	Somerford Booths	

Public Vaccinator } A. J. Pirie, Moody Hall, Congleton.
 Medical Officer }

District No. 8 (Sandbach).

Sandbach U.D.	Arclid	Betchton
Bradwall	Elton	Hassall
Smallwood	Tetton	

Public Vaccinator— } A. Henderson, West View, Sandbach.
 Medical Officer— }

District No. 9 (Alsager).

Alsager U.D.	Church Lawton	Odd Rode
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Public Vaccinator— A. Henderson, West View, Sandbach
 Medical Officer— G. Bates, Lawton Road, Alsager.

District No. 10 (Church Hulme).

Brereton	Church Hulme	Cranage
Goostrey	Swettenham	Twemlow

Public Vaccinator— } L. J. Picton, Saddler's Close, Holmes Chapel
 Medical Officer— }

No. 3 (NANTWICH) AREA.

District No. 1 (Audlem).

Audlem	Buerton	Coole Pilate
Dodcot-cum- Wilkesley (Part of *)	Hankelow	Newhall (Part of *)
Public Vaccinator—	} G. C. Thornton, Beech House, Audlem, Crewe	
Medical Officer—	}	

District No. 2 (Bunbury).

Alraham	Bickerton	Bulkeley
Bunbury	Calveley	Egerton
Haughton	Peckforton	Ridley
Spurstow	Wardle	Wettenhall
Public Vaccinator—	} M. M. F. Arthur, Birchfield, Bunbury.	
Medical Officer—	}	

District No. 3 (Crewe North).

Crewe M.B. (North †)	Leighton	Minshull Vernon
Warmingham	Woolstanwood	
Public Vaccinator—	} M. Parkes, Helmsville, Crewe.	
Medical Officer—	}	

District No. 4 (Crewe South).

Crewe M.B. (South †)	Rope	Shavington-cum- Gresty
Wistaston		
Public Vaccinator—	} W. G. Murray, 144, Nantwich Road, Crewe.	
Medical Officer—	}	

District No. 5 (Haslington).

Barthomley	Basford	Crewe Rural
Haslington	Weston	
Public Vaccinator—	} W. L. English, High Street, Haslington, Crewe.	
Medical Officer—	}	

District No. 6 (Nantwich).

Nantwich U.D.	Acton	Aston-juxta-Mondrum
Baddington	Batherton	Brindley
Burland	Cholmondeston	Church Minshull
Edleston	Faddiley	Henhull
Hurleston	Poole	Stoke
Willaston	Worleston	
Public Vaccinator—	} S. Johnstone, Kiltearn House, Nantwich.	
Medical Officer—	}	

* Such part of these Parishes as lies East of a line formed by the Barnett Brook from the County boundary to its junction with the River Weaver, and thence by the River Weaver to the boundary of the Parish of Broomhall.

† Such part of Crewe M.B. as lies North of a line formed by West Street, Hightown, Victoria Street, Market Street, Earl Street, Hungerford Road.

‡ Such part of Crewe M.B. as lies South of the line defined in note † above.

No 3 (Nantwich) Area—Continued.**District No. 7 (Wrenbury).**

Baddiley	Broomhall	Cholmondeley
Chorley	Dodcot-cum-	Marbury-cum-
Newhall (Part *)	Wilkesley (Part *)	Quoisley
Norbury	Sound	Wirswall
Woodcott	Wrenbury-cum-Frith	
Public Vaccinator—	} R. E. Loney, Wrenbury.	
Medical Officer—	}	

District No. 8 (Wybunbury).

Austerson	Blakenhall	Bridgemere
Checkley-cum-	Chorlton	Doddington
Wrinehill	Hatherton	Hough
Hunsterson	Lea	Stapeley
Walgherton	Wybunbury	
Public Vaccinator—	} O. H. Blacklay, 148, Hospital Street, Nantwich.	
Medical Officer—	}	

No. 4 (NORTHWICH AND RUNCORN) AREA.**District No. 1 (Northwich No. 1).**

Northwich U.D.	Lostock Gralam	Marbury
(Witton & Northwich Wards)		
Marston	Wincham	
Public Vaccinator—	} J. B. Fulton, 162, Witton Street, Northwich	
Medical Officer—	}	

District No. 2 (Northwich No. 2).

Northwich U.D.	Anderton	Barnton
(Castle & Winnington Wards)		
Comberbach	Hartford	
Public Vaccinator—	} J. W. Craw, Rose Bank, Chester Road, Northwich	
Medical Officer—	}	

District No. 3 (Winsford).

Winsford U.D.	Darnhall	Little Budworth
Marton	Moulton	
Public Vaccinator—	} W. N. Leak, Dingle House, Winsford.	
Medical Officer—	}	

District No. 4 (Weaverham).

Acton	Crowton	Cuddington
Delamere	Little Leigh	Oakmere
	Weaverham-cum-	Norley
	Milton	
Public Vaccinator—	} W. G. Shaw, Ivy House, Weaverham.	
Medical Officer—	}	

District No. 5 (Middlewich).

Middlewich U.D.	Allostock	Bostock
Byley	Davenham	Lach Dennis
Nether Peover	Rudheath	Sproston
Stanthorne	Whatcroft	Wimboldsley
Public Vaccinator—	} J. Murphy, The Beeches, Middlewich.	
Medical Officer—	}	

* Such part of these Parishes as lies West of the line defined in note * on page 16.

No. 4 (Northwich & Runcorn) Area—*Continued.***District No. 6 (Runcorn).**

Runcorn U.D.	Aston	Halton
Norton	Sutton	
Public Vaccinator—	} J. B. Murphy, 1, Queen Street, Runcorn.	
Medical Officer—	}	

District No. 7 (Budworth).

Antrobus	Appleton	Budworth, Great
Daresbury	Dutton	Grappenhall
Hatton	Moore	Preston Brook
Stockton Heath	Stretton	Walton
	Whitley	
Public Vaccinator—	} J. W. Crowther, * Viewfield, Stretton, Warrington.	
Medical Officer—	}	

District No. 8 (Frodsham).

Alvanley	Frodsham	Helsby
Kingsley	Manley	
Public Vaccinator—	} H. H. James, The Knoll, Frodsham.	
Medical Officer—	} H. B. Ellison, Brentwood, Red Lane, Frodsham.	

District No. 9 (Tarpurley).

Rushton	Tarpurley	Utkinton
Public Vaccinator—	} P. A. Campbell, Glenthorne, Tarpurley.	
Medical Officer—	}	

No. 5 (TARVIN) AREA.

District No. 1 (Hoole).

Hoole U.D.	Bache	Backford
Barrow-by-Tarvin	Bridge Trafford	Caughall
Chorlton-by-Backford	Christleton	Croughton
Dunham-on-the-Hill	Elton	Great Boughton
Guilden Sutton	Hapsford	Hoole Village
Huntington	Little Stanney	Littleton
Moston	Picton	Rowton
Saighton	Stoke	Thornton-le-Moors
Upton-by-Chester	Wervin	Wimbolds Trafford
Public Vaccinator—	} W. J. A. Russell, The Limes, Hoole.	
Medical Officer—	}	

District No. 2 (Chester Rural).

Aldford	Buerton	Capenhurst
Chester Castle	Churton Heath	Claverton
Dodleston	Eaton	Eccleston
Great Saughall	Lea-by-Backford	Lea Newbold
Ledsham	Little Saughall	Lower Kinnerton
Marlston-cum-Lache	Mollington	Poulton
Puddington	Pulford	Shotwick
Shotwick Park	Woodbank	
Public Vaccinator—	} R. R. Smith, Old Bars House, Foregate Street	
Medical Officer—	} Chester.	

District No. 3 (Tarvin).

Ashton	Bruen Stapleford	Burton-by-Tarvin
Clotton Hoofield	Duddon	Fouk Stapleford
Hockenhull	Horton-cum-Peel	Huxley
Iddenshall	Kelsall	Mouldsworth
Pryor's Hayes	Tarvin	Tilstone Fearnall
Tiverton	Willington	
Public Vaccinator—	} C. R. Fielding, Kelsall.	
Medical Officer—	}	

* Acting for C. E. W. Bower (with H.M. Forces).

No. 5 (Tarvin) Area—Continued.**District No. 4 (Tattenhall).**

Aldersey	Beeston	Broxton
Burwardsley	Chowley	Clutton
Cotton Abbotts	Cotton Edmunds	Golborne Bellow
Golborne David	Handley	Harthill
Hatton	Newton-by-Tattenhall	Tattenhall
	Waverton	

Public Vaccinator— } M. Dwyer, Church Bank, Tattenhall
 Medical Officer— }

District No. 5 (Farndon).

Barton	Caldecott	Carden
Church Shocklach	Churton-by-Aldford	Churton-by-Farndon
Coddington	Crewe-by-Farndon	Edgerley
Farndon	Grafton	Horton-by-Malpas
Kings Marsh	Shocklach Oviatt	Stretton-by-Malpas
	Tilston-by-Malpas	

Public Vaccinator— } J. Alexander, Holly Bank, Farndon.
 Medical Officer— }

District No. 6 (Malpas).

Agden	Bickley	Bradley
Chidlow	Chorlton-by Malpas	Cuddington-by- Malpas
Duckington	Edge	Macefen
Hampton	Larkton	Oldcastle
Malpas	Newton-by-Malpas	Threapwood
Overton-by-Malpas	Stockton	Wychough
Tushingham-cum- Grindley	Wigland	

Public Vaccinator— } L. T. Pollard, Prospect House, Malpas.
 Medical Officer— }

No. 6 (WIRRAL) AREA.**District No. 1 (Bebington).**

Bebington M.B.

Public Vaccinator— } J. W. Cowen, 36, Heath Road, Bebington.
 Medical Officer— }

District No. 2 (Neston and Wirral).

Neston U.D. Wirral U.D.

Public Vaccinator—G. Gunn, Parkgate Road, Neston.
 Medical Officer—R. L. Turner, 1, Heath Drive, Heswall.

District No. 3 (Hoylake).

Hoylake U.D.

Public Vaccinator—P. B. Pinkerton,* Stonehive, Grange Road, West
 Kirby.
 Medical Officer—W. M. Brown,* 2, Park Road, West Kirby.

District No. 4 (Ellesmere Port).

Ellesmere Port U.D.

Public Vaccinator— } R. F. Gerrard, 113, Station Road, Ellesmere
 Medical Officer— } Port.

* Acting for G. H. Brown (with H.M. Forces).

No. 7 (STALYBRIDGE AND DUKINFIELD) AREA.**District No. 1 (Stalybridge No. 1).**

Stalybridge M.B. (Part of *)

Public Vaccinator—W. E. C. Thomas, Bank House, Stalybridge.
Medical Officer—F. Maclean, 60, Grosvenor Street, Stalybridge.**District No. 2 (Stalybridge No. 2).**

Stalybridge M.B. (Part of †)

Public Vaccinator— } W. E. C. Thomas, Bank House, Stalybridge.
Medical Officer— }**District No. 3 (Dukinfield).**

Dukinfield M.B.

Public Vaccinator— } J. Macfie, Clarendon House, Dukinfield.
Medical Officer— }**District No. 4 (Longdendale).**

Longdendale U.D. Tintwistle R.D.

Public Vaccinator— } E. Talbot, Prospect House, Mottram.
Medical Officer— }**No. 8 (HYDE AND CHEADLE) AREA.****District No. 1 (Hyde).**

Hyde M.B.

Public Vaccinator— } M. W. Paterson, Norbury House, Hyde.
Medical Officer— }**District No. 2 (Cheadle).**

Cheadle and Gatley U.D.

Public Vaccinator— } T. S. Hanlin, 26, Wilmslow Road, Cheadle.
Medical Officer— }**District No. 3 (Hazel Grove).**

Hazel Grove and Bramhall U.D.

Public Vaccinator— } M. V. Shanahan, 267, London Road, Hazel
Medical Officer— } Grove.**District No. 4 (Bredbury).**

Bredbury and Romiley U.D.

Public Vaccinator— } P. V. Cant, Woodley, nr. Stockport.
Medical Officer— }**District No. 5a (Marple No. 1).**

Marple U.D. (excluding Ludworth Ward).

Public Vaccinator— } W. A. Jackson, Glengarth, Marple.
Medical Officer— }**District No. 5b (Marple No. 2).**

Marple U.D. (Ludworth Ward).

Public Vaccinator— } A. G. Hastings, Overdale, Station Road,
Medical Officer— } Marple.

*The part lying on the North-West side of the River Tame.

†The part lying on the South-East side of the River Tame.

VACCINATION OFFICERS and REGISTRARS

(1931 populations of districts as constituted 1/4/39 are given in brackets)

AREA A—BUCKLOW.

District No. 1—Altrincham (45043).

Altrincham M.B.	..	(29353)	Ashley .. .. .	..	(359)
Bowdon U.D.	..	(3341)	Dunham Massey	..	(716)
Hale U.D.	..	(11011)	Ringway .. .. .	..	(263)
Vaccination Officer	}	A. W. Highet,* 5, Springfield Road, Altrincham.			
Registrar					

District No. 2—Knutsford (20062).

Knutsford U.D.	..	(6173)	Partington .. ..	..	(816)
Lymm U.D.	..	(5637)	Peover Inferior	..	(100)
Agden .. .. .	..	(87)	Peover Superior	..	(617)
Aston-by-Budworth	..	(364)	Pickmere.. .. .	..	(320)
Bexton .. .. .	..	(14)	Plumley .. .. .	..	(459)
Bollington .. ..	..	(174)	Rostherne .. .. .	..	(284)
High Legh .. .. .	..	(688)	Tabley Inferior	..	(117)
Marthall-cum-Warford		(626)	Tabley Superior	..	(351)
Mere .. .. .	..	(379)	Tatton .. .. .	..	(61)
Millington .. ..	..	(258)	Toft .. .. .	..	(156)
Mobberley .. .. .	..	(1753)	Warburton .. .. .	..	(354)
Ollerton .. .. .	..	(274)			
Vaccination Officer	}	Mrs. Shaw, 23, St. John's Avenue, Knutsford.			
Registrar					

District No. 3—Sale (28575).

Sale M.B.	..	(28071)	Carrington .. ..	..	(504)
Vaccination Officer	—H. T. Mercer, 14, Fownhope Avenue, Sale.				
Registrar	—B. Flinter,* Register Office, Westminster Bank Buildings, School Road, Sale.				

District No. 4—Wilmslow (15235).

Alderley Edge U.D.	..	(3279)	Wilmslow U.D.	..	(11956)
Vaccination Officer	}	Mabel Dawson,† Bank Square Buildings,			
Registrar		Wilmslow.			

AREA B—MACCLESFIELD.

District No. 1—Congleton (14666).

Congleton M.B...	..	(14666)			
Vaccination Officer	}	S. A. Bevan, 8, Park View, Congleton.			
Registrar					

District No. 2 (a)—Macclesfield (a) (21936).

Bollington U.D.	..	(5062)	Mottram-St.-Andrew	..	(526)
Adlington .. .. .	..	(687)	Nether Alderley	..	(757)
Bosley .. .. .	..	(359)	North Rode .. ..	..	(268)
Chelford .. .. .	..	(341)	Over Alderley .. ..	..	(332)
Chorley .. .. .	..	(376)	Pott Shrigley .. ..	..	(441)
Eaton .. .. .	..	(239)	Poynton .. .. .	..	(3944)
Gawsworth .. .. .	..	(668)	Prestbury .. .. .	..	(1103)
Great Warford .. ..	..	(882)	Rainow .. .. .	..	(1109)
Henbury .. .. .	..	(404)	Siddington .. .. .	..	(441)
Hurdsfield .. .. .	..	(428)	Snelson .. .. .	..	(200)
Kettleshulme .. ..	..	(346)	Sutton .. .. .	..	(1404)
Lyme Handley .. ..	..	(211)	Wildboardclough	..	(169)
Macclesfield Forest	..	(125)	Wincle .. .. .	..	(208)
Marton .. .. .	..	(249)	Withington .. .. .	..	(656)

Vaccination Officer—G. B. Sturley, Relief Office, Lyme Terrace, Poynton.
Registrar—M. A. Bevan, Old County Police Buildings, Macclesfield

*Temp.; from 30.10.41, during absence of W. Fryer with H.M. Forces
†Temp.; from 11.7.42, during absence of R. G. Rathbone with H.M. Forces.

Area B—Macclesfield—Continued.

District No. 2 (b)—Macclesfield (b) (35552).

Macclesfield M. B. .. (35552)

Vaccination Officer—A. Millward, 10, Waterloo Street West, Macclesfield.

Registrar—M. A. Bevan, Old County Police Buildings, Macclesfield.

AREA C—CREWE.**District No. 1 (a)—Crewe (a) (48321).**

Crewe M.B. .. (48321)

Vaccination Officer } R. H. Lewis, 1, Gatefield Street, Crewe.

Registrar }

District No. 1 (b)—Crewe (b) (7550).

Barthomley	(257)	Shavington	(1563)
Basford	(177)	Warmingham	(202)
Crewe (Rural)	(177)	Weston	(490)
Haslington	(2882)	Wistaston	(1260)
Leighton	(137)	Woolstanwood	(81)
Minshull Vernon	(324)		

Vaccination Officer—C. Griffiths, 1, Gatefield Street, Crewe.

Registrar—R. H. Lewis, 1, Gatefield Street, Crewe.

District No. 2 (a)—Nantwich (a) (16361).

Nantwich U.D.	(8639)	Edleston	(60)
Acton	(206)	Faddiley	(211)
Aston-juxta-Mondrum	(139)	Hatherton	(287)
Austerson	(50)	Henhull	(97)
Baddiley	(219)	Hough	(299)
Baddington	(104)	Hunsterston	(175)
Batherton	(53)	Hurleston	(110)
Blakenhall	(178)	Lea	(37)
Bridgemere	(149)	Poole	(114)
Brindley	(187)	Rope	(92)
Burland	(595)	Stapeley	(510)
Checkley-cum-Wrinehill	(235)	Stoke	(213)
Cholmondeston	(158)	Walgherton	(159)
Chorlton	(76)	Willaston	(1664)
Church Minshull	(265)	Worleston	(370)
Doddington	(66)	Wybunbury	(644)
Vaccination Officer } A. O. Davies, 17, Shrewbridge Road, Nantwich.			
Registrar }			

District No. 2 (b)—Nantwich (b) (8597).

Alraham	(436)	Haughton	(150)
Audlem	(1346)	Marbury-cum-Quoisley	(282)
Bickerton	(259)	Newhall	(645)
Broomhall	(184)	Norbury	(271)
Buerton	(421)	Peckforton	(161)
Bulkeley	(120)	Ridley	(160)
Bunbury	(910)	Sound	(243)
Calvey	(270)	Spurstow	(333)
Cholmondeley	(278)	Wardle	(140)
Chorley	(162)	Wettenhall	(186)
Coole Pilate	(52)	Wirswall	(158)
Dodcott-cum-Wilkesley	(547)	Woodcott	(18)
Egerton	(101)	Wrenbury	(589)
Hankelow	(175)		

Vaccination Officer—F. E. Davenport, 58, The Crofts, Nantwich.

Registrar—A. O. Davies, 17, Shrewbridge Road, Nantwich.

District No. 3—Sandbach (21995).

Alsager U.D.	(2852)	Hassall	(318)
Sandbach U.D.	(8267)	Hulme Walfield	(61)
Arclid	(306)	Moreton	(130)
Betchton	(614)	Newbold Astbury	(546)
Bradwall	(242)	Odd Rode	(3307)
Brereton	(550)	Smallwood	(615)
Church Hulme	(1143)	Somerford	(102)
Church Lawton	(874)	Somerford Booths	(162)
Cranage	(475)	Swettenham	(279)
Elton	(161)	Tetton	(255)
Goostrey	(629)	Twemlow	(107)

Vaccination Officer } A. O. Davies,* 17, Shrewbridge Road, Nantwich
Registrar

AREA D—NORTHWICH.**District No. 1—Northwich (37756).**

Northwich U.D.	(20827)	Lach Dennis	(193)
Acton	(551)	Little Leigh	(422)
Allstock	(436)	Lostock Gralam	(1095)
Anderton	(329)	Marbury	(37)
Barnton	(3198)	Marston	(530)
Comberbach	(481)	Nether Peover	(200)
Crowton	(474)	Rudheath	(2728)
Cuddington	(1100)	Weaverham	(2714)
Hartford	(1424)	Wincham	(1017)

Vaccination Officer } S. S. Trevor, Winnington Hill, Northwich.
Registrar

District No. 2—Winsford (26454).

Middlewich U.D.	(5857)	Moulton	(1223)
Winsford U.D.	(11346)	Oakmere	(455)
Bostock	(156)	Rushton	(503)
Byley	(191)	Sproston	(210)
Darnhall	(228)	Stanthorne	(169)
Davenham	(1740)	Tarporley	(1382)
Delamere	(1114)	Utkinton	(586)
Little Budworth	(530)	Whatecroft	(119)
Marton	(500)	Wimboldsley	(145)

Vaccination Officer } O. Parry, Mayfield, St. George's Road, Winsford.
Registrar

* Temporarily during absence of A. G. Skellern (with H.M. Forces).

AREA E—RUNCORN.**District No. 1—Stockton Heath (15376).**

Antrobus	(682)	Moore	(458)
Appleton	(1196)	Preston Brook	397)
Daresbury	(319)	Stockton Heath	(6110)
Dutton	(546)	Stretton	(371)
Grappenhall	(2742)	Walton	(1301)
Great Budworth.. ..	(447)	Whitley	(510)
Halton	(297)		
Vaccination Officer Registrar	} A. J. Massey, 33, Fairfield Road, Stockton Heath.		

District No. 2—Runcorn (34791).

Runcorn U.D.	(22587)	Kingsley	(1456)
Alvanley	(287)	Manley	(840)
Aston	(256)	Norley	(871)
Frodsham	(4703)	Norton	(158)
Halton	(1020)	Sutton	(631)
Helsby	(1982)		
Vaccination Officer Registrar	} H. V. Davies, Council Offices, Waterloo Road, Runcorn.		

AREA F—HYDE.**District No. 1—Stalybridge (31515).**

Stalybridge M.B.	(24978)	Longdendale U.D.	(5145)
Tintwistle R.D.	(1392)		
Vaccination Officer Registrar	} N. Potts, Union Bank Chambers, Market Street, Stalybridge.		

District No. 2—Hyde (32313).

Hyde M.B.	(32313)		
Vaccination Officer Registrar	} H. Morton, 30 Market Place, Hyde.		

District No. 3—Dukinfield (19385).

Dukinfield M.B.	(19385)		
Vaccination Officer Registrar	} Mrs. A. Hewitt, 62, Mary Street, Dukinfield.		

AREA G—NORTH EAST CHESHIRE.**District No. 1—Bredbury (11690).**

Bredbury and Romiley U.D. (11690)			
Vaccination Officer	—H. Whalley, Public Assistance Office, Shaw Heath, Stockport.		
Registrar	—E. Love, Council Offices, Bredbury.		

District No. 2—Hazel Grove (26880).

Hazel Grove and Bramhall U.D.	(13178)	Marple U.D.	(11088)
		Disley R.D.	(2614)
Vaccination Officer Registrar	} F. Ardern, Council Offices, Hazel Grove.		

District No. 3—Cheadle (18535).

Cheadle and Gatley U.D. (18535)			
Vaccination Officer	—J. H. Johnson, 77, High Street, Cheadle.		
Registrar	—W. S. Marsh, 11, Ashfield Road, Cheadle.		

AREA H—WIRRAL.**District No. 1—East Wirral (31877).**

Bebington M.B. .. (31877)
 Vaccination Officer } A. Clough,* 218, Bebington Road,
 Registrar } Bebington.

District No. 2—West Wirral (37255).

Hoylake U.D. (19745) Wirral U.D. (9599)
 Neston U.D. (7911)
 Vaccination Officer } J. R. Bird, 40, Trinity Road, Hoylake.
 Registrar }

AREA J—WEST CHESHIRE.**District No. 1 (a)—Chester Castle (a) † (20410).**

Hoole U.D. (5892)	Lea-by-Backford (165)
Aldford (347)	Lea Newbold (39)
Bache (62)	Ledsham (173)
Backford (124)	Little Saughall (304)
Barrow-by-Tarvin (910)	Little Stanney (170)
Bridge Trafford (50)	Littleton (336)
Buerton (61)	Lower Kinnerton (113)
Capenhurst (157)	Marlston-cum-Lache (60)
Caughall (13)	Mickle Trafford (263)
Chester Castle (228)	Mollington (350)
Christleton (997)	Moston (81)
Chorlton-by-Backford (82)	Picton (97)
Churton Heath (15)	Poulton (119)
Claverton —	Puddington (332)
Croughton (21)	Pulford (261)
Dodleston (247)	Röwton (168)
Dunham-on-the-Hill (316)	Saighton (347)
Eaton (143)	Shotwick (73)
Eccleston (291)	Shotwick Park (26)
Elton (252)	Stoke (101)
Great Boughton (1862)	Thornton-le-Moors (166)
Great Saughall (865)	Upton-by-Chester (2667)
Guilden Sutton (382)	Wervin (103)
Hapsford (112)	Wimbolds Trafford (73)
Hoole Village (162)	Woodbank (88)
Huntington (144)	

Vaccination Officer— } A. Hull, 7 & 8, Godstall Chambers, Chester.
 Registrar— }

District No. 1 (b)—Chester Castle (b) (23057).

Ellesmere Port U.D. (23057)
 Vaccination Officer—A. Clough,* 218, Bebington Road, Bebington.
 Registrar—A. Hull, 7 & 8, Godstall Chambers, Chester.

* Vaccination Officer for H 1 and J 1 (b).

† This district comprises Hoole U.D. and Chester R.D.

Area J—West Cheshire—Continued.

District No. 2—Tarvin Rural * (14388).

Agden	(75)	Hampton.. .. .	(366)
Aldersey	(92)	Handley	(250)
Ashton	(430)	Harthill	(95)
Barton	(103)	Hatton	(132)
Beeston	(268)	Hockenhull	(21)
Bickley	(302)	Horton	(120)
Bradley	(136)	Horton-cum-Peel	(37)
Broxton	(507)	Huxley	(253)
Bruen Stapleford.. .. .	(114)	Iddinshall	(14)
Burton-by-Tarvin	(41)	Kelsall	(874)
Burwardsley	(298)	King's Marsh	(63)
Caldecott.. .. .	(42)	Larkton	(37)
Carden	(151)	Macefen	(65)
Chidlow	(13)	Malpas	(1101)
Chorlton-by-Malpas	(90)	Mouldsworth	(194)
Chowley	(61)	Newton-by-Tattenhall	(198)
Church Shocklach	(162)	Newton-by-Malpas	(13)
Churton-by-Aldford	(191)	Oldcastle	(84)
Churton-by-Farndon	(145)	Overton-by-Malpas	(98)
Clotton Hoofield	(382)	Pryor's Heyes	(11)
Clutton	(56)	Shocklach Oviatt	(149)
Coddington	(95)	Stockton	(20)
Cotton Abbots	(11)	Stretton-by-Malpas	(79)
Cotton Edmunds	(65)	Tarvin	(1251)
Crewe-by-Farndon	(47)	Tattenhall	(1008)
Cuddington-by-Malpas.. .. .	(236)	Threapwood	(279)
Duddon	(194)	Tilston-by-Malpas	(347)
Duckington	(65)	Tilstone Fearnall	(118)
Edge	(238)	Tiverton	(525)
Edgerley	(11)	Tushingam	(234)
Farndon	(560)	Waverton	(479)
Foulk Stapleford	(205)	Wigland	(104)
Golborne Bellow	(103)	Willington	(167)
Golborne David.. .. .	(84)	Wychough	(16)
Grafton	(13)		

Vaccination Officer } R. E. Blyth, Oakdene, Tattenhall.
Registrar

*This District is co-extensive with Tarvin Rural Sanitary District.

MEDICAL OFFICERS AND PUBLIC VACCINATORS OF
PUBLIC ASSISTANCE INSTITUTIONS

CONGLETON	Dr. Henderson, Sandbach.
NANTWICH	Dr. Johnstone, Nantwich.
NORTHWICH	Dr. J. W. Craw, Northwich.
RUNCORN	Dr. J. W. Crowther, † Stretton.
TARVIN	Dr. H. L. W. Woodroffe, Chester.

† Acting for Dr. C. E. W. Bower (with H.M. Forces).

REPORT OF THE
County Medical Officer of Health

For the Year ended December 31st, 1941

Section I.-Area and Population

Area

The acreage of the County at the end of 1941 was 622,746 acres.

Population

The population of the Administrative County, as enumerated at the Census of 1931, was 665,575. The estimate of the Registrar-General for mid-1941 was 774,410.

Rateable Value

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1/4/41 was £5,000,985. A penny rate over the whole County for 1941-42 represented the sum of £19,590 (estimated).

Section II.-Births and Deaths

The figures are for the Administrative County, 1941, unless otherwise stated.

Live Births :—

	Total.	Male	Female
Legitimate	10494	5380	5114
Illegitimate	466	223	243

Birth Rate per 1,000 of the estimated resident population, 14·2.

	Total.	Male	Female
Stillbirths	427	231	196
Stillbirths Rate per 1,000 total (live and still) births, 37·5.			

	Total.	Male	Female
Deaths	9436	4765	4671

Death Rate per 1,000 of population, 12·2.

The principal causes of death were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Heart Disease	2230	2880
Cancer	1305	1685
Intra-cranial vascular lesions	936	1209
Pneumonia	449	580
Tuberculosis (all forms)	402	519
Pulmonary	324	418
Non-Pulmonary	78	101
Nephritis	307	396
Bronchitis	593	766

The deaths from the chief zymotic diseases were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Diphtheria	43	56
Whooping Cough	37	48
Measles	12	15
Diarrhoea and Enteritis (under 2 years)	48	62
Scarlet Fever	2	3
Typhoid and Paratyphoid	11	14
Smallpox	—	—

The zymotic Death Rate was ·20 per 1,000.

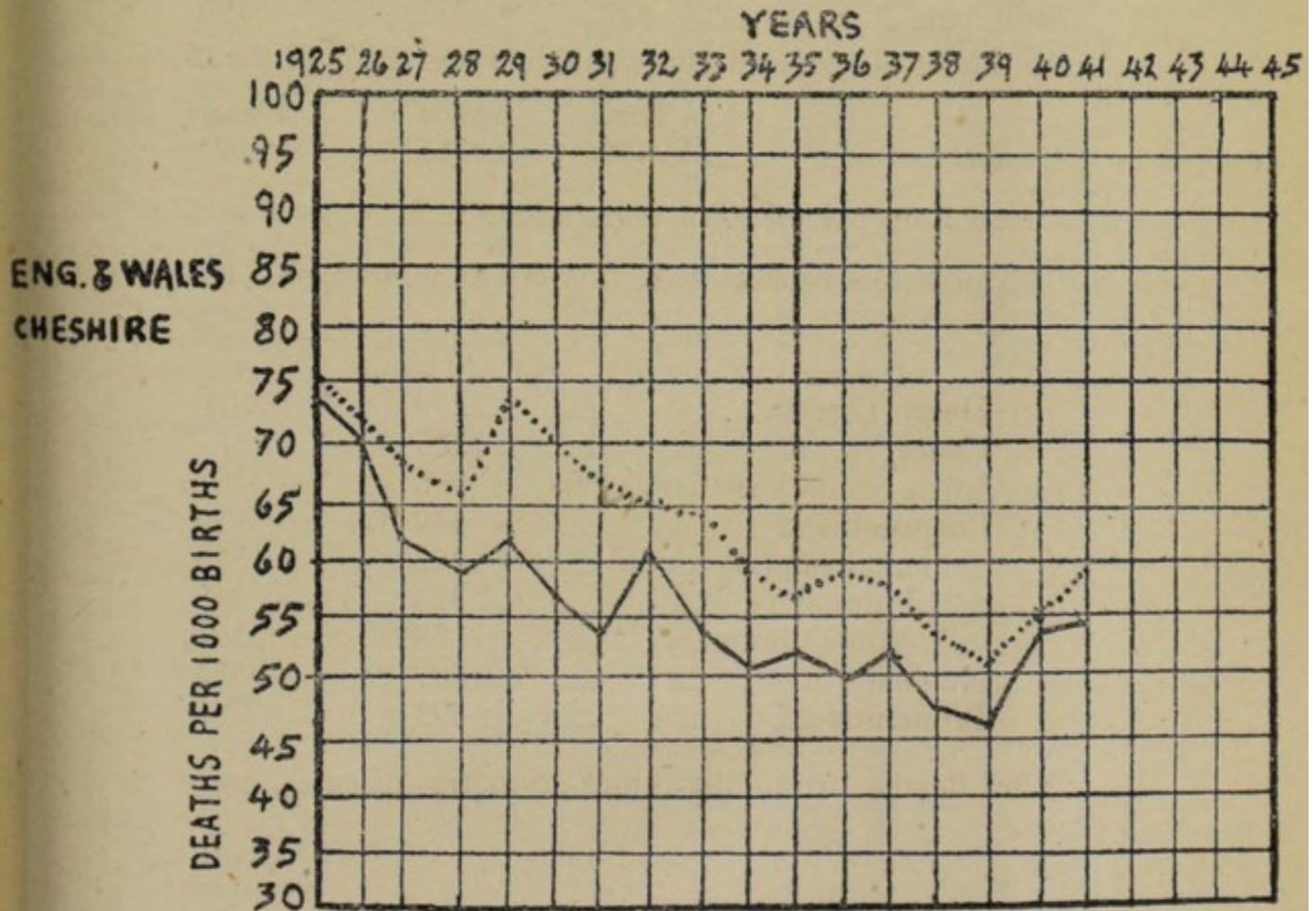
Infantile Mortality.

There have been 608 deaths of infants under 1 year in the Administrative County during 1941, i.e., 574 legitimate and 34 illegitimate. These figures show an infantile mortality as follows:—

All infants per 1,000 live births	54·8
Legitimate infants per 1,000 legitimate live births	54·0
Illegitimate infants per 1,000 illegitimate live births	72·6

The figures for recent years are shown in the following diagram:—

INFANTILE MORTALITY



Deaths from Puerperal Causes:—

	Deaths.	Rate per 1,000 total (live and still) births.
Puerperal Sepsis	7	·62
Other Puerperal Causes	21	1·84
Total	28	2·46

Section III.-Infectious Diseases, etc.

Number of Cases notified during 1941

	Typhoid	Paratyphoid	Scarlet Fever	Whooping Cough	Diphtheria	Erisipelas	Smallpox	Measles	Pneumonia	Puerperal pyrexia
Alderley Edge U.D.	—	—	1	21	2	—	—	36	5	—
Alsager U.D.	1	1	1	13	1	—	—	90	—	—
Altrincham M.B.	—	5	21	271	14	15	—	165	51	3
Bebington M.B.	—	55	56	424	37	13	—	214	44	5
Bollington U.D.	—	—	19	34	4	2	—	8	4	—
Bowdon U.D.	1	—	3	16	1	—	—	29	1	—
Bred. and Rom. U.D.	—	—	9	40	36	1	—	36	15	1
Cheadle and Gat. U.D.	—	4	21	78	23	2	—	279	20	1
Congleton M.B.	—	—	15	95	17	6	—	412	47	3
Crewe M.B.	—	8	41	256	57	3	—	618	5	—
Dukinfield M.B.	—	6	35	80	28	13	—	248	27	—
Ellesmere Port U.D.	—	2	32	3	24	4	—	251	10	4
Hale U.D.	—	4	3	63	3	1	—	43	6	1
Hazel Grove and Bramhall U.D.	—	2	16	27	27	1	—	56	7	—
Hoole U.D.	—	—	6	48	18	1	—	36	11	—
Hoylake U.D.	1	5	32	130	28	9	—	175	45	1
Hyde M.B.	—	5	44	126	11	8	—	185	41	4
Knutsford U.D.	3	1	4	13	7	1	—	53	2	—
Longdendale U.D.	—	1	8	15	—	3	—	16	2	—
Lymm U.D.	—	—	1	52	—	—	—	175	2	—
Macclesfield M.B.	3	1	78	60	11	13	—	56	81	10
Marple U.D.	—	—	8	51	11	3	—	325	28	2
Middlewich U.D.	—	—	1	25	6	3	—	9	3	2
Nantwich U.D.	—	—	2	26	8	2	—	153	1	1
Neston U.D.	—	2	4	4	16	1	—	29	13	—
Northwich U.D.	—	2	36	44	7	3	—	18	10	1
Runcorn U.D.	—	—	28	67	25	5	—	15	25	—
Sale M.B.	2	1	25	177	14	6	—	258	27	1
Sandbach U.D.	—	1	12	47	8	1	—	125	15	1
Stalybridge M.B.	—	1	29	63	22	17	—	204	32	1
Wilmslow U.D.	3	1	11	130	2	—	—	284	4	1
Winsford U.D.	—	1	10	26	55	3	—	16	5	—
Wirral U.D.	—	9	6	23	55	4	—	50	16	—
Bucklow R.D.	—	2	7	68	7	—	—	163	6	2
Chester R.D.	1	1	20	90	45	9	—	40	13	1
Congleton R.D.	—	1	19	72	7	9	—	199	13	—
Disley R.D.	—	—	—	6	—	1	—	3	2	—
Macclesfield R.D.	1	2	18	70	10	5	—	125	20	—
Nantwich R.D.	—	2	29	93	13	3	—	422	29	4
Northwich R.D.	2	2	43	99	14	5	—	121	14	5
Runcorn R.D.	—	4	27	157	31	10	—	581	39	1
Tarvin R.D.	6	—	25	80	16	2	—	152	35	1
Tintwistle R.D.	—	—	1	3	—	—	—	10	1	—

TABLE 1.—INFECTIOUS DISEASE OTHER THAN SMALLPOX.

Area	County Districts.	Hospital Authority.	Situation of Hospital.	Accommodation		
				Blocks	Wards	Beds
1	Sale M.B. Ald'ley Edge U.D. Hale U.D. Knutsford U.D. Wilmslow U.D. Bucklow R.D. Cheadle and Gatley U.D.	N. Ches. J.H.B. ^a ^a Beds for Districts in Board's Area provided by agreement with Manchester except where indicated	Monsall, Manchester	—	—	45
	Altrincham M.B. ^b Bowdon U.D. Lymm U.D. ^c	^b Continues separate provision, also serves Bowdon ^c Agree. with Warrington	Sinderland Rd., Altrincham. Warrington.	4	8	34 (As required).
2	Hoole U.D. ^d Tarvin R.D. ^d	^d Agree. with Chester, including smallpox	Sealand Rd., Chester.	—	—	4 ^d 8 ^d
3	Congleton M.B. Alsager U.D. Sandbach U.D. Congleton R.D.	Congleton and District J.H.B. ^e ^e Includes Biddulph (6 beds)	West Heath, Congleton.	4	11	45 ^e
4	Crewe M.B.		Crewe.	4	12	40
5	Runcorn U.D.		Weston Rd., Runcorn.	2	4	32 (including 12 cots).
6	Runcorn R.D.		Preston Brook.	3	9	36
7	Hyde M.B. ^f Dukinfield M.B. Stalybridge M.B. Bredbury and Romiley U.D. Hazel Grove and Bramhall U.D. Marple U.D. Disley R.D. Longd'd'le U.D. ^g Tintwistle R.D. ^g	^f All other Authorities have made agreements with Hyde ^g Provisional agreement only. See also under Table 2.	Back Bower Lane, Hyde.	4	22	50* * Shared with Denton, Mossley, Audenshaw and Ashton-u-Lyne, who are entitled to 20 beds
8	Macclesfield M.B. ^h Bollington U.D. Macclesfield R.D.	^h The other two Authorities have agreements with Macclesfield M.B.	Moss Lane, Macclesfield.	4	10	66 (One cubicle).
9	Nantwich U.D. Nantwich R.D.	Nantwich J.H.B.	Alvaston, Nantwich.	3	6	41 (including 22 cots)
10	Middlewich U.D. Northwich U.D. Winsford U.D. Northwich R.D.	Northwich and District J.H.B.	Davenham.	4	12	50
11	Bebington M.B. Ell'm're P't U.D. Hoylake U.D. Neston U.D. Wirral U.D. Chester R.D.	Wirral J.H.B.	Clatterbridge.	6	15	105

TABLE 2.—SMALLPOX.

Area	County Districts.	Hospital Authority.	Situation of Hospital.	Accommodation		
				Blocks	Wards	Beds
1	Sale M.B. Ald'l'y Edge U.D. Hale U.D. Knutsford U.D. Wilmslow U.D. Bucklow R.D. Altrincham M.B. Bowdon U.D. Cheadle and Gatley U.D. Lymm U.D. ^b	N. Ches. J.H.B. ^a <i>a</i> Beds for Districts in Board's Area provided by agreement with Manchester except where indicated <i>b</i> Agree. with Warrington	Clayton, Manchester. Warrington.	(As required).		
2	Congleton M.B. Alsager U.D. Sandbach U.D. Congleton R.D. Crewe M.B. ^c	Congleton and District S.P.J.B. <i>c</i> Contracts with Board for 6 Beds	Arclid, Sandbach.	2	2	12
3	Hoole U.D. ^d Tarvin R.D. ^d	<i>d</i> Agree. with Chester	Sealand Rd., Chester.	(As required— see Table 1)		
4	Hyde M.B. ^e Dukinfield M.B. Bredbury and Romiley U.D. Hazel Grove and Bramhall U.D. Marple U.D. Disley R.D. Longd'd'le U.D. ^f Tintwistle R.D. ^f	<i>e</i> All other Authorities (except Tintwistle and Longdendale) have made agreements with Hyde <i>f</i> Hollingworth, Mottram and Tintwistle J.C.	Old Road, Hyde. Carrhouse Lane, Mottram.	2	6	48*
5	Mac'sfield M.B. ^g Bollington U.D. Mac'sfield R.D. ^h	<i>g</i> Provides for Bollington also <i>h</i> Agree. with Hyde	Moss Lane, Macclesfield.	1	2	6
6	Nantwich U.D. Nantwich R.D.	Nantwich J.H.B.	Ravensmoor, Nantwich.	1	2	6
7	Middlewich U.D. Northwich U.D. Winsford U.D. Northwich R.D.	Northwich and District J.H.B.	Marbury, Northwich.	3	9	15
8	Runcorn U.D. ⁱ Runcorn R.D. ⁱ	<i>i</i> Agree. with Warrington	Warrington.	(As required).		
9	Bebington M.B. Ellesmere Port Ell'm're P't U.D. Hoylake U.D. Neston U.D. Wirral U.D. Chester R.D.	Wirral J.H.B. ^j <i>j</i> Agree. with Liverpool	Liverpool Port Sanitary Hospital, New Ferry (and others in Liverpool).	(As required).		
10	Stalybridge M.B. ^k	<i>k</i> Member of Ashton, etc. J.S.P.H.B.	Ashton- <u>u</u> -Lyne	(As required).		

* Shared with Denton, Droylsden, Stockport & Rochdale, who are entitled to 9 beds. See also under Area 5.

* For all infectious disease (Priority to Smallpox)

AMBULANCES.

All cases of infectious disease are dealt with by the ambulances attached to the various Isolation Hospitals.

Apart from infectious cases the following are the arrangements in force in the County (excluding Civil Defence):—

Altrincham Borough	Three motor ambulances.
Bebington Borough	One motor ambulance attached to Port Sunlight Hospital.
Congleton Borough	Two motor ambulances.
Crewe Borough	Three motor ambulances.
Dukinfield Borough	Make use of Hyde Police Ambulance.
Hyde Borough	Three motor ambulances.
Macclesfield Borough	Two motor ambulances
Stalybridge Borough	One motor ambulance.
Alderley Edge Urban	One Motor ambulance—Red Cross Society.
Alsager Urban	Have arrangement with Stoke and Newcastle for use of their ambulances.
Bollington Urban	Have arrangement with Macclesfield Corporation.
Bowdon Urban	Two motor ambulances jointly with Hale.
Bredbury Urban	Arrangement with Hyde and Stockport Corporations.
Cheadle Urban	One motor ambulance has been provided by the District Council.
Ellesmere Port Urban	Two motor ambulances.
Hazel Grove Urban	Arrangement with Stockport Corporation.
Hoole Urban	Make use of ambulance from Chester Fire Brigade.
Hoylake Urban	One motor ambulance.
Knutsford Urban	Agreement with Altrincham.
Longendale Urban	Arrangement with Glossop, Hyde, and Stalybridge.
Lymm Urban	Agreement with Altrincham.
Marple Urban	Arrangement with Stockport.
Middlewich Urban	The Urban District makes use of a private ambulance.
Nantwich Urban	Maintain a Red Cross Ambulance jointly with Rural area.
Neston Urban	Agreement with Birkenhead.
Northwich Urban	Imperial Chemical Co. provide their own. Use is made of a private motor ambulance.

Runcorn Urban	Council subsidise a private firm for the use of a motor ambulance.
Sale Borough	Two motor ambulances.
Sandbach Urban	An annual sum is paid for the use of a St. John's motor Ambulance.
Wilmslow Urban	One motor ambulance.
Winsford Urban	Two motor ambulances belonging to St. John's Ambulance Association and Winsford and District Ambulance Brigade. Council subscribe to each Brigade.
Wirral Urban	Have agreement with Birkenhead Corporation.
Bucklow Rural	Agreement with Altrincham.
Chester Rural	Make use of Chester ambulances.
Congleton Rural	Make use of Sandbach ambulances.
Disley Rural	Have services of Stockport ambulance
Macclesfield Rural	Agreement with Macclesfield Borough.
Nantwich Rural	Joint use of an ambulance with Nantwich Urban District.
Northwich Rural	Make use of the ambulances from Northwich and Winsford.
Runcorn Rural	One motor ambulance.
Tarvin Rural	Make use of Chester City Ambulances.
Tintwistle Rural.	Utilise the Hyde ambulance.

The Standing Joint Committee pays an annual sum of £100 for the use of Chester City Ambulances within a 10-mile radius.

The ambulances at Clatterbridge County Hospital serve the districts from which patients are conveyed to that Institution.

Section IV.-Venereal Diseases

The following statistics are drawn up from the returns supplied by the treatment centres used by County patients in 1941:—

Institution.	Persons attending for first time at Out-Patient Clinic suffering from				Total attendances at Out-Patient Clinic.
	Syphilis.	Soft Chancre	Gonorrhœa.	Non-Venereal conditions.	
Ashton-under-Lyne Infirmary ...	9	—	21	25	1076
Birkenhead Hospital ...	8	1	12	17	746
Chester Royal Infirmary ...	23	—	57	2	1307
Liverpool Mill Road Infirmary ...	3	—	2	4	229
Liverpool Royal Infirmary ...	5	—	3	2	194
Liverpool Seamen's Dispensary...	3	—	13	20	424
Manchester Ancoats Hospital ...	1	—	6	8	100
Manchester Skin Hospital ...	9	—	1	15	285
Manchester St. Luke's ...	5	—	22	18	881
Manchester Royal Eye ...	5	—	—	2	491
Manchester Royal Infirmary ...	17	—	23	28	1062
Manchester St Mary's ...	1	—	3	10	185
Salford Boro' Hospital ...	5	2	14	29	866
Stockport Clinic ...	4	—	26	20	1050
Stoke-on-Trent Clinic ...	—	—	3	5	57
Stoke-on-Trent, North Staffs. Infirmary ...	2	—	11	23	490
Warrington Boro Hospital ...	4	—	14	3	398
Warrington Infirmary ...	19	—	22	3	1624
TOTALS ...	123	3	253	234	11465

There was no Clinic conducted by the County Council.

Section V.-Tuberculosis, etc.

Statistics

The annual tuberculosis returns for the Ministry of Health were in great part eliminated. For the sake of continuity, however, the main figures for the year under review and the two previous years are set out for comparison:—

	1941	1940	1939
New cases notified (primary)			
Pulmonary ...	518	474	432
New cases notified (primary)			
Non-pulmonary ...	222	200	277
	<hr/>	<hr/>	<hr/>
Total ...	740	674	709
	<hr/>	<hr/>	<hr/>
No of cases remaining on Registers of Notifications kept by District M.O's.H., December 31st. ...	5108	4908	4709
No. of Deaths from all forms of Tuberculosis ...	402	403	358
Death-rate from all forms of Tuberculosis per 1,000 of the population	0·52	0·52	0·48
New Applicants for Treatment	460	514	535
No. of Cases on Dispensary Registers, 31st December	5028	4740	4418

The following table shows the number of insured (including discharged service cases) and uninsured persons who have received treatment during the years 1932-41:—

YEAR.	INSURED.		UNINSURED.		TOTAL.
	Males.	Females.	Males.	Females.	
1932	376	216	250	297	1139
1933	397	208	257	337	1199
1934	409	187	265	283	1144
1935	423	195	259	304	1181
1936	455	183	277	335	1250
1937	498	208	294	344	1344
1938	487	227	280	347	1341
1939	507	220	244	281	1252
1940	509	209	168	238	1124
1941	490	204	157	222	1073

Number of new applications for treatment under the County Tuberculosis Scheme during the years 1932-41:—

YEAR.	DIS- CHARGED SERVICE CASES	INSURED.	UNINSURED.	TOTAL.
1932	1	242	180	423
1933	—	273	255	528
1934	1	257	241	499
1935	—	267	231	498
1936	—	268	246	514
1937	1	309	298	608
1938	—	281	294	575
1939	1	306	228	535
1940	7	314	193	514
1941	34	263	163	460

Table relating to Tuberculosis in children under 16:—

Year.	Number of Children notified as suffering from Pulmonary Tuberculosis.	Number of Children notified as suffering from Non-Pulmonary Tuberculosis.	Percentage of Total Notifications.	
			Pulmonary.	Non-Pulmonary.
1932	40	170	8·3	63·0
1933	31	187	6·4	65·1
1934	22	175	4·6	65·1
1935	33	152	6·7	61·5
1936	26	167	5·4	61·2
1937	25	193	5·0	65·7
1938	32	185	6·1	66·8
1939	24	181	5·6	65·4
1940	25	136	5·3	68·0
1941	17	146	3·3	65·8

Beds Occupied.

The number of beds occupied in institutions other than the Cheshire Joint Sanatorium or Wrenbury Hall at 1st April, was as follows:—

Year.	Beds occupied.
1935	205
1936	206
1937	226
1938	229
1939	229
1940	175
1941	174
1942	173

Statement shewing number of patients who received institutional treatment during 1941:—

Institution	Adults		Child- ren under 16	Total	Average number of beds occupied	Average period in residence	
	Males	Fe- males				Wks.	Days
SANATORIA							
Cheshire Joint Sanatorium ..	191	162	—	353	118·79	17	4
Wrenbury Hall ..	98	—	—	98	34·51	18	2
Liverpool Sanatorium ..	48	38	1	87	30·28	18	1
Nab Top Sanatorium ..	1	6	7	14	8·45	34	2
Grosvenor Sanatorium ..	1	—	—	1	·13	6	5
Crossley Sanatorium ..	—	4	—	4	2·15	28	—
Cleaver Sanatorium ..	—	1	—	1	·40	21	—
Vale Royal Sanatorium ..	—	1	—	1	·28	14	5
Quantock Sanatorium ..	1	—	—	1	·21	10	5
Total ..	340	212	8	560	195·20	18	6
PULMONARY HOSPITALS							
Ladywell Sanatorium ..	—	4	—	4	·36	4	5
Withington Hospital ..	—	1	—	1	·21	11	—
Hyde Pavilion ..	88	—	—	88	29·67	17	4
Baguley Sanatorium ..	9	8	—	17	7·69	23	4
Mount Pleasant Hospital ..	5	3	—	8	1·88	12	2
Hefferston Grange ..	45	31	—	76	20·54	14	1
Total ..	147	47	—	194	60·35	13	6
GENERAL HOSPITALS							
Congleton War Memorial Hosp.	1	1	3	5	·74	7	5
Albert Infirmary, Winsford ..	2	—	10	12	2·13	9	2
Ashton-u-Lyne Infirmary ..	2	2	3	7	·43	3	1
Macclesfield General Infirmary	3	6	10	19	·63	1	5
Manchester Royal Infirmary ..	3	4	—	7	·25	1	6
Altrincham General Hospital..	—	1	8	9	·48	2	5
Liverpool Southern Hospital ..	1	1	—	2	·23	6	—
Warrington Infirmary ..	—	—	2	2	·06	1	5
Warrington General Hospital..	2	1	—	3	·31	5	3
Liverpool Northern Hospital..	1	—	—	1	·08	4	—
Crewe Memorial Hospital ..	—	—	1	1	·06	3	2
Royal Liverpool (Heswall) ..	—	—	20	20	6·21	16	3
Northwich Infirmary ..	—	—	3	3	·49	8	4
Total ..	15	16	60	91	12·10	5	4
ORTHOPAEDIC HOSPITALS							
Leasowe Open-Air Hospital ..	—	13	44	57	31·64	29	—
Oswestry Orthopaedic Hospital	26	14	34	74	33·76	23	6
Hartshill Orthopaedic Hospital	2	1	7	10	1·46	7	4
Marple Orthopaedic Hospital	—	—	2	2	1·29	33	5
Total ..	28	28	87	143	68·15	23	4
CONVALESCENT HOMES							
Royal Alexandra Hospital, Rhyl	—	2	—	2	·32	8	2
Total ..	—	2	—	2	·32	8	2
TOTAL ALL INSTITUTIONS	530	305	155	990	336·12	14	—

Table showing primary notifications and deaths from Tuberculosis since 1st February, 1913, when compulsory notification began in Cheshire.

Year	Primary notifications Form A	Deaths	Death rate per 1,000 population
1913	1224	651	1·04
1914	1293	655	1·05
1915	1001	677	1·12
1916	999	677	1·18
1917	770	671	1·18
1918	770	744	1·35
1919	789	592	·98
1920	892	578	·92
1921	908	527	·83
1922	786	550	·86
1923	850	488	·76
1924	1016	512	·79
1925	883	510	·78
1926	939	489	·73
1927	892	488	·73
1928	932	499	·74
1929	917	465	·69
1930	838	438	·64
1931	802	438	·64
1932	751	460	·66
1933	754	389	·57
1934	765	377	·54
1935	739	367	·52
1936	752	348	·49
1937	799	373	·52
1938	802	360	·49
1939	709	358	·48
1940	674	403	·52
1941	740	402	·52

The 1941 deaths are made up as follows:—

	Male.	Female.	Total.
Pulmonary	200	124	324
Non-Pulmonary	46	32	78
	<hr/> 246	<hr/> 156	<hr/> 402

Death Rates, 1941.

All forms, ·52 per 1000 of population.

Pulmonary, ·42 per 1000 of population.

Non-Pulmonary, ·10 per 1000 of population.

**Summary of Notifications during the period from the
1st January, 1941, to the 31st December, 1941**

Formal Notifications

Age Periods	Number of Primary Notifications of new cases of tuberculosis											Total (all ages)	Total Notifications
	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-		
Pulmonary Males	—	4	4	1	23	37	55	81	58	40	17	320	351
„ Females	1	1	1	5	35	34	51	31	23	12	4	198	214
Non-pulmonary Males	—	29	28	20	11	3	17	3	1	2	—	114	118
„ Females	1	21	32	15	11	5	7	6	6	3	1	108	111

SUPPLEMENTAL RETURN

New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification

Age Periods	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	Total
Pulmonary Males	—	2	2	—	5	8	21	17	16	18	6	95
„ Females	1	1	—	3	3	15	16	7	6	4	1	57
Non-pulmonary Males	—	3	6	4	2	1	2	2	1	1	—	22
„ Females	—	3	4	3	5	—	—	5	1	1	—	22

The source or sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death { From Local Registrars	—	13
Returns { Transferable deaths from Registrar General	11	8
Posthumous notifications	10	2
“Transfers” from other areas (other than transferable deaths)	94	21
Other Sources	—	—

COUNTY PUBLIC HEALTH LABORATORY

Specimens examined in the County Public Health
Laboratory during the year 1941, for:—

	Neg.	Pos.
<i>Sanatoria—</i>		
Wrenbury Hall	287	170
Borough Hospital, Hyde (Tuberculosis Pavilion)	60	95
 <i>Other Institutions—</i>		
Clatterbridge Hospital	254	33
Clatterbridge Emergency Hospital	248	11
Lake Hospital, Ashton-under-Lyne	2	2
Northwich Institution	1	—
Barony Institution, Nantwich	7	2
Stepping Hill Hospital, Stockport	30	11
David Lewis Colony, Warford	1	1
Ellesmere Port and District Hospital	3	2
Altrincham General Hospital	37	2
Cottage Hospital, Knutsford	1	—
Dutton Institution	1	—
Arclid Institution	12	—
Children's Orthopaedic Hospital, Marple ...	2	—
Port Sunlight Hospital	5	1
Hoylake Hospital	1	—
Macclesfield General Infirmary	15	—
Crewe War Memorial Hospital	9	1
West Park Hospital, Macclesfield	34	6
 <i>Districts outside the County—</i>		
Birkenhead	1	—
Manchester	—	1
Stockport	2	—
Warrington	3	—

Total number of Specimens examined during the year 1941—

	Neg.	Pos.
Sputa for T.B. examination (18.7% pos.) ...	2571	594
Pleuritic Specimens	16	—
Urines	2	—
Pus	4	1
Faeces	1	—
Hair for Ringworm	8	11
Cultures for Tubercle Bacilli	278	10
Concentration Method Patients' Sputa for T.B.	268	17
Milks, Bulk samples, Microscopic examina- tions for T.B.	104	1
	<hr/>	<hr/>
	3252	634
	<hr/>	<hr/>
Total number examined	3886	
Milks examined by Reductase Test ...	11132	
Milks examined by Coliform Test	9000	
Milks examined by Phosphatase Test ...	16	
Milks examined by Plate Count	16	
	<hr/>	
Total number of Examinations made ...	24050	
	<hr/>	

Statement giving Particulars of Public Health Laboratory

From Patients for T.B..

YEAR	Sputa		Urines		Glands		Pleural Effusions		Pus.		Hair for Ring-worm		Fæces		Cultures		Total
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	
1935	637	2058	1	9	...	2	..	...	1	4	3	4	...	2			2721
1936	545	2086	...	4	...	...	...	4	...	3	...	...	...	2			2644
1937	577	2327	...	5	..	...	...	5	...	6	3	1	..	1			2925
1938	688	2333	...	8	...	...	...	3	1	6	...	1	...	3			3043
1939	602	2192	1	4	1	1	1	6	1	15	...	...	...	1			2825
1940	634	2496	...	10	...	1	...	18	1	9	...	1	...	1	18	153	3342
1941	594	2571	...	2	...	...	...	16	1	4	11	8	...	1	10	278	3496

**Specimens Examined in County
during the Years 1935 to 1941**

From Cows for T.B.													
Milk		Sputa		Milks examined by Reductase Test	Milks examined by Coliform Test	Milks examined by Phosphat- ase Test	Milks examined by Plate Count	Total Number of Specimens examined	Concentra- tion Method Patients' Sputa.		Total Number of Examina- tions made		
Pos.	Neg.	Pos.	Neg.						Pos.	Neg.			
154	1011	35	21	...	...	...	...	3942	48	346	4336
171	928	7	1	...	...	...	...	3751	27	611	4389
185	892	7	4	...	...	...	...	9433	25	324	9782
58	549	4	...	12088	12088	...	...	27830	62	277	28169
28	1802	...	...	12354	12225	...	...	29234	19	41	29294
9	1228	...	...	12517	12517	...	...	29613	10	156	29779
1	104	...	...	11132	9000	16	16	23765	17	268	24050

Orthopaedic Clinics

The following table shows the attendances at the Clinics (excluding those made for sunlight treatment only):—

Clinic	On registers 1/1/41	Admitted 1941	Dis- charged 1941	On registers 31/12/41	Attend- ances
Alderley Edge..	2	1	—	3	2
Altrincham ..	6	1	2	5	29
Chester ..	14	2	—	16	93
Congleton ..	13	5	2	16	108
Crewe ..	62	14	5	71	413
Ellesmere Port	6	4	2	8	13
Hoylake ..	3	—	1	2	37
Hyde ..	1	2	—	3	17
New Ferry ..	4	—	2	2	20
Runcorn ..	9	—	1	8	16
Stockton Heath	3	—	—	3	11
Total ..	123	29	15	137	759

Artificial Sunlight Treatment

The following table shows the attendances made at various clinics by tuberculous patients:—

Clinic	On registers 1/1/41	Admitted 1941	Dis- charged 1941	On registers 31/12/41	Attend- ances
Altrincham Hosp.	5	5	7	3	114
Crewe Hospital	—	2	2	—	59
Hyde Clinic ..	4	2	2	4	67
Manchester & Salford Skin Hospital	34	3	3	34	561
Northwich Clinic	14	2	11	5	739
Warrington Infirm.	11	1	9	3	107
Total ..	68	15	34	49	1647

Section VI.-Maternity and Child Welfare

(By DR. JEAN R. SHAW).

Area

The County area, for the purpose of the Midwives Acts, comprises the whole of the Administrative County, but for Maternity and Child Welfare excludes the Boroughs of Altrincham, Bebington, Crewe, Hyde, Macclesfield and Stalybridge, also the Urban Districts of Ellesmere Port, Hale and Knutsford.

Number of Midwives in Practice

There were 357 midwives who notified their intention to practise in the County Area during 1941.

County Midwives	66
District Nursing Associations	111
Monthly Nurses	7
Independent Midwives	59
Midwives living outside the County Area	12
Had no cases	7
In Institutions and Nursing Homes	70
Died	1

There were in addition 14 midwives who did temporary duty in the various areas for district nursing associations.

Inspection of Midwives

Visits to District Nurses and Independent Midwives	340
Formal Inspections	259
Enquiries re Stillbirths, Pyrexia and Neonatal deaths	81
Visits paid by Assistant Supervisor of Midwives:—	
Inspection of County Midwives	300
Inspection of Independent Midwives	74
(included in above 340)	
Cases visited:—	
Labours	22
Nursings	368
Antenatal	437
Postnatal	28

Details of County Midwives' Attendance at Cases:—

LIVE-BIRTHS.		STILL-BIRTHS.		MIS-CARRIAGES.
With a Doctor.	Without a Doctor.	With a Doctor.	Without a Doctor.	
1477	2303	65	29	143

Some details of midwifery cases of above (cases sent into hospital during after labour are not included):—

- Primiparae, 27 per cent.; Multiparae, 73 per cent.
- Health during pregnancy—Good, 82 per cent.; Fair, 14 per cent.; Poor, 4 per cent.
- Normal Labours (no Doctor required; no laceration of perinaeum, etc.), 74 per cent.
- Forceps used, 5.2 per cent.
- Perinaeum torn (and repaired), 16 per cent.
- Puerperium—95 per cent. normal; Doctor called in for Pyrexia, etc., 3 per cent.; 3 per cent. sent into hospital.
- Infants—94 per cent. normal; 2 per cent. premature births; 2.8 per cent. Stillbirths; 1.4 per cent. weakly, deformed, etc.

Home Helps

During 1941 home helps have been provided in 100 homes, in the majority of the cases free of cost to the mothers.

Notifications received (Central Midwives Board Rules)

Medical Aid	2683
Stillbirths	55
Laying out of the dead	44
Source of Infection	49
Artificial Feeding	67

Puerperal Pyrexia, etc.

Forty-one cases of Puerperal Pyrexia were notified during 1941:—

Puerperia Pyrexia	38
Puerperal Fever	3
Number of above cases already in hospital when notified	10
Sent into hospital	19

Disinfection of midwives in contact with these cases was carried out in 31 cases.

Twelve swabs were sent for examination:—

Throat—1 case haemolytic streptococci present.

11 cases negative.

Nose—No positive cases. 12 negative cases.

Consultants

In 48 cases the advice and help of a consultant have been obtained for difficulties in labour or any abnormality during the puerperium.

Nursing and Maternity Homes

Number on the Register at the end of 1941 ...	45
Number of inspections during 1941	163
Number of new Homes registered, 1941	6

There have been 1237 births in the above Homes and 1070 medical and surgical cases during 1941.

Visits by the Health Visitors

During 1941 the number of visits to notified babies who are one year old has worked out at 5.5 per child in urban districts and 7 per child in rural areas.

The following is a summary of the visits paid by the Health Visitors during 1941:—

First visits to infants under one year	7374
Revisits to children under 1 year	33958
Revisits to children over 1 year	47781
Visits to expectant mothers	2074

Method of Feeding Babies

The following table shows the method of feeding babies during the first six months and under one year old:—

End of	BREAST.				MIXED.				ARTIFICIAL.			
	1937 %	1938 %	1939 %	1941 %	1937 %	1938 %	1939 %	1941 %	1937 %	1938 %	1939 %	1941 %
1st Month— Rural	70	65	66	62	2	2	3	2	28	33	31	36
Urban	70	67	70	65	1	3	3	2	29	30	27	33
2nd Month— Rural	63	62	63	57	3	3	4	2	34	35	33	41
Urban	66	64	64	57	2	4	4	3	32	32	32	40
3rd Month— Rural	57	55	54	53	5	4	6	2	38	41	40	45
Urban	59	58	58	52	5	5	4	5	36	37	38	43
4th Month— Rural	52	50	49	50	7	6	8	3	41	44	43	47
Urban	53	52	53	47	7	6	6	6	40	42	41	47
5th Month— Rural	47	44	46	44	8	8	9	4	45	48	45	52
Urban	50	50	50	44	8	7	7	6	42	43	43	50
6th Month— Rural	45	41	44	43	9	10	10	5	47	49	46	52
Urban	48	48	48	42	9	8	8	7	43	44	44	51

Health of Infants

The method of feeding till 6 months old and health of children at 12 months old are shown below (4075 children):—

		Good.	Fair	Poor.
		%	%	%
Breast	{ Rural ...	86	13	1
	{ Urban ...	83	15	2
Mixed	{ Rural ...	80	18	2
	{ Urban ...	78	19	3
Artificial	{ Rural ...	81	17	2
	{ Urban ...	75	22	3

The illnesses from which children between one and two years of age have suffered during the first year of life are shown in the following table.

	Total.	Birth	3 months	6 months	9 months
		to 3 months.	to 6 months.	to 9 months.	to 12 months.
		%	%	%	%
Respiratory Diseases ...	7%	·7	1·	2·3	3
Gastro-Enteritis ...	1·2%	·1	·2	·5	·4
Measles ...	2%	—	·2	·6	1·2
Whooping Cough ...	4·5%	·1	·4	1·5	2·5
Marasmus ...	·3%	·3	—	—	—

Feeding during first 6 months of life.

Feeding.	Health, 2 years; 4177 children.			Health, 3 years; 4162 children.			Health, 4 years; 3645 children.		
	Good.	Fair.	Poor.	Good.	Fair.	Poor.	Good.	Fair.	Poor.
Breast—									
Rural ...	85	13	2	87	12	1	84	14	2
Urban ...	82	17	1	84	15	1	83	15	2
Mixed—									
Rural ...	80	17	3	80	18	2	81	18	1
Urban ...	76	21	3	80	18	2	77	21	2
Artificial—									
Rural ...	82	14	4	83	15	2	80	18	2
Urban ...	79	17	4	77	21	2	79	18	3

Some of the illnesses from which the above children have suffered are as follows:—

	2 years.	3 years.	4 years.
	%	%	%
Respiratory Diseases ...	3·	2·6	2·
Whooping Cough ...	4·	6·	5·
Measles ...	7·	6·6	7·
Scarlet Fever ...	·1	·3	·2
Diphtheria ...	·1	·2	·4

Signs of Rickets were noted in 3 per cent. of the children between 1—4 years of age; 2.5 per cent. slight; .5 per cent. marked.

Stillbirths

The following table gives some particulars of 102 stillbirths (49 males, 53 females) that have been enquired into:—

“Born before arrival” ...	3
Prolapse of cord ...	4
Cord round neck ...	5
History of albuminuria ...	6
Ill-health of mother ...	14
Malpresentation or difficult labour ...	23
Shock or accident ...	14
Antepartum haemorrhage ...	5
Malformations ...	17
Cause unknown ...	11

Thirty-six of above cases occurred in first births. In 15 cases there was a previous history of one or more miscarriage or stillbirth and in 6 of the 15 cases the stillbirths occurred in the second pregnancy. Ten of the mothers had worked in a factory, and seven others had followed other occupations. Two of the above stillbirths were of illegitimate birth.

Among the malformations there were 3 spine bifida cases and 7 anencephalic monsters.

Of the 102 cases, premature birth was recorded in 45 cases.

Neonatal Deaths.

The following table gives particulars of deaths of 82 infants under one month old—42 males and 40 females (74

per cent. occurred during 1st week; 13 per cent. in 2nd week; 8 per cent. in 3rd week; and 5 per cent. in 4th week):—

Premature birth	36
Atelectasis	4
Difficult Labour	9
Feebleness	6
Convulsions	6
Malformation	9
Internal Haemorrhage	4
Jaundice	1
Pneumonia	5
Bronchitis	1
Pemphigus	1

Five of the mothers had been working in a factory during pregnancy, four others had followed other occupations. Five of the children were of illegitimate birth. Among the above there was only one twin pregnancy; one of the infants survived. Malformations included 3 cases of spina bifida.

Ophthalmia

There have been 69 cases of inflammation of or discharge from the eyes of new-born babies.

Fifty-one of the cases were only slight. Eighteen of the cases were notified as Ophthalmia Neonatorum.

The following is a description of the slight cases:—

One eye affected	20
Both eyes affected	31

Severe cases—

One eye affected	7
Both eyes affected	11

Seven of the above cases were treated in hospital and five attended by Health Visitors. Twin infants are still in hospital. The other cases notified made good recoveries.

Illegitimate Children

Special enquiries have been made into the circumstances of 117 illegitimate children born during 1941. In 72 cases the mother was employed. One hundred and ten of the cases were found to be quite satisfactorily cared for (9 were only fairly satisfactorily and three unsatisfactorily attended—5 died).

The father was known to be contributing in 43 cases, in 69 cases no such contribution was being received.

Forty-two of the cases were brought up by the mother, 52 principally by the grandmother, 8 by other relatives, one by a neighbour, 3 went into institutions, 4 were adopted, and two were foster children.

Maternal Mortality (per 1,000 Live and Stillbirths)

The maternal mortality rate for 1941 was 2.46, being .62 for puerperal sepsis and 1.84 from other causes.

Maternity Hospitals and Homes

During 1941 there have been 270 mothers, who through the help of the County Maternity and Child Welfare Committee have their confinements in a Maternity Hospital or Home (for confinements in Clatterbridge and West Park County General Hospitals see pp. 79 and 84).

The confinements have taken place in the following Institutions:—

- Ashton-under-Lyne District Infirmary, 8 (1 evacuee).
- Crewe Maternity Home, 10 (3 evacuees).
- Chester Maternity Home, 31 (4 evacuees).
- Glossop Maternity Home, 3.
- Liverpool Maternity Hospital, 34.
- Longton Cottage Hospital, 23.
- St. Mary's Hospital, Manchester, 107 (6 evacuees).
- Sale War Memorial Hospital, 23 (2 evacuees).
- Warrington Borough (Victoria Park), 18.
- Widnes Maternity Home, 11.
- Withington Hospital, 2.

Maternity Homes and Hostels for Evacuees.

STRETFORD EVACUATION SCHEME.

Southfields Maternity Home, Bowdon.

There were 196 admissions to this Home during 1941, and 194 confinements (2 transferred to St. Mary's Hospital, Manchester).

Hostel for Expectant Mothers, Denzell House, Bowdon.

One hundred and sixty-one expectant mothers were admitted during 1941 from Stretford, also 24 expectant mothers and 18 children were admitted from Bootle.

WALLASEY EVACUATION SCHEME.

The Garth Maternity Home, Neston.

This Home received its first patients at the end of March, 1941.

There were 139 admissions during 1941 and 138 confinements (some Bebington cases included).

Hostel for Expectant Mothers and their under five year old children, Ashburton House, Parkgate.

One hundred and twelve expectant mothers were admitted during 1941 and 31 children.

Infant Life Protection

No. of Foster Parents on the Register (1941) ... 78

No. of Children on the Register (1941) 128

There were five deaths (no inquests).

Antenatal and Post natal Clinics

	Number of Sessions	Number of Expectant Mothers	Number of Attendances	Number of Post-Natal Cases	Number of Attendances
Congleton	25	152	327	12	85
Hoole	12	92	164	—	—
Runcorn	51	418	1366	2	5
Sale	24	159	150	—	—

During 1941 there were 1,561 expectant mothers examined by their own doctors under the County Schemes.

Dental Report, 1941

Expectant mothers inspected	81
Expectant mothers treated	71
Attendances	143
Permanent teeth extracted	368
Permanent teeth filled	37
Dentures fitted	64
Teeth scaled	15
Other operations	13
Children under school age inspected	223
Children under school age selected	144
Children under school age treated	137
Temporary teeth extracted	210
Temporary teeth filled	38
Other operations	5

LIST OF INFANT WELFARE CENTRES.

Centre.	Weekly or Fortnightly.	Day of Centre.	Consul- tations held.	Average Attend- ances.	Total Attend- ances.
Alderley Edge ...	Weekly	Friday	388	30	1485
Alsager ...	Fortnightly	Tuesday	253	26	603
Bollington ...	Fortnightly	Thursday	548	36	957
Bowdon ...	Fortnightly	Thursday	438	22	563
Bredbury ...	Weekly	Tuesday	972	48	2505
Cheadle ...	Fortnightly	Tuesday	520	36	1377
Cheadle Hulme ...	Fortnightly	Tuesday	431	40	1036
Congleton ...	Weekly	Monday	1080	45	1797
Disley ...	Fortnightly	Tuesday	323	17	470
Dukinfield ..	Twice weekly	Wednesday & Thursday	1781	62	6333
Frodsham ...	Fortnightly	Tuesday	311	32	847
Grappenhall ..	Fortnightly	Monday	241	52	308
Greasby ..	Fortnightly	Tuesday	74	14	374
Haslington ...	Fortnightly	Tuesday	150	16	429
Hazel Grove ...	Weekly	Thursday	866	59	2934
Heswall ...	Fortnightly	Monday	317	60	1559
High Lane ...	Fortnightly	Tuesday	284	17	441
Hollingworth ...	Fortnightly		143	35	930
Hoole ...	Weekly	Tuesday	1082	53	3190
Hoylake ...	Weekly	Thursday	433	54	1635
Lymm ..	Weekly	Tuesday	392	33	837
Malpas ..	Fortnightly	Monday	166	10	253
Marple ..	Weekly	Wednesday	931	51	2744
Marple Bridge and District ...	Fortnightly	Thursday	483	29	729
Middlewich ...	Weekly	Monday	956	25	1246
Mobberley ..	Fortnightly	Tuesday	389	24	389
Nantwich ..	Weekly	Thursday	718	40	2050
Neston ..	Weekly	Thursday	481	37	1910
Northwich (Rural) ...	Weekly	Thursday	303	23	578
Northwich (Urban) ...	Weekly	Tuesday	675	31	1422
Partington ..	Fortnightly	Thursday	145	10	266
Poynton ..	Fortnightly	Thursday	262	24	613
Rode Heath ...	Fortnightly	2nd & 4th Wednesday	248	14	313
Romiley ...	Weekly	Thursday	554	20	999
Runcorn ...	Twice weekly	Wednesday a.m. & p.m.	940	33	2022
Sale ..	Twice weekly	Monday & Thursday	2440	55	5542
Sandbach ...	Weekly	Tuesday	1253	34	1777
Stockton Heath...	Fortnightly	Monday	389	38	916
Tarporley ...	Fortnightly	Thursday	347	14	362
Utkinton ...	Fortnightly	Thursday	—	9	158
Weaverham ...	Fortnightly	Tuesday	177	22	571
Wilmslow ..	Weekly	Thursday	871	48	2139
Winsford ...	Weekly	Friday	541	22	584

Artificial Sunlight Treatment

The following table shows the attendances made at the various clinics by non-tuberculous patients:—

Clinic.	Patients at 1/1/41	Admitted during 1941	Discharged during 1941	Patients at 31/12/41	Attendances at Clinics
Hyde Clinic ..	2	5	2	5	49
Northwich Clinic	1	—	1	—	46
Warrington Infirmary ..	—	2	1	1	27
	3	7	4	6	122

Orthopædic Scheme

The Orthopædic Scheme includes treatment for all orthopædic conditions occurring in children under 5 years of age. During 1941 there were 2,024 attendances of 337 patients (non-tuberculous) at the Clinics and 56 cases received institutional treatment.

The following table shows the attendances made at the various Orthopædic Clinics (excluding those for Sunlight only).

Clinic.	Patients at 1/1/41	Admitted during 1941	Discharged during 1941	Patients at 31/12/41	Attendances at Clinics
Alderley Edge ..	23	11	10	24	139
Altrincham ..	34	17	21	30	303
Chester ..	6	5	5	6	29
Congleton ..	15	12	10	17	143
Crewe ..	41	32	25	48	244
Ellesmere Port ..	1	3	1	3	7
Hoylake ..	19	8	10	17	159
Hyde ..	1	1	1	1	6
New Ferry ..	3	—	3	—	11
Northwich ..	1	3	3	1	97
Runcorn ..	32	27	19	40	463
Stockton Heath..	27	15	13	29	423
	203	134	121	216	2024

Institutional Treatment

56 children received institutional treatment during 1941—28 boys and 38 girls. Of these, 23 were orthopaedic cases, and 33 medical and surgical cases.

The following table shows the hospitals and clinics where treatment was carried out, and the conditions from which the children were suffering.

	Orthopaedic Hospital, Hartshill	Children's Hospital, Heswall	Hospital for Children, Leasowe	Children's Orthopaedic Hospital, Marple	Duchess of York Babies Hospital, Manchester	Orthopaedic Hospital, Oswestry	West Kirby Convalescent Home	Total
Boys	2	..	5	1	13	6	1	28
Girls	3	5	3	13	4	..	28
Club Feet	1	..	2	1	..	7	..	3
Hip (Con. Dislocation)	3	3	..	..	..	11
Paralysis	1	..	3
Poliomyelitis	1	..	1	..	..	1
Rickets	1	..	..	..	1	..	..	3
Tendon Elongation	1	..	1
Torticollis	1
Abscess of Neck	1	..	..	1	..	..	1
Asthma	1	..	..	2
Cleft Palate	5	..	..	5
Coeliac Disease	1	..	3	..	1	1
Debility	2	2	..	..	..	..	8
Dyspepsia	1	..	..	1
Enteritis	3	..	..	3
Hernia	1	..	..	1
Malnutrition	1	..	2	..	..	1
Marasmus	2	..	..	2
Perthes Disease	2	1	..	1
Pneumonia	1	..	..	1
Premature Birth	1	..	..	1
Pyloric Stenosis	3	..	..	3
Syphilis	1	..	..	1

Orthopaedic

Various Medical and Surgical

Section VII.

Milk (Special Designations) Order, 1936

At the time of this report there were 3,081 Accredited Milk Licences and 71 Tuberculin Tested Licences in force in the County.

In spite of war-time difficulties I am pleased to be able to report that the reconstruction and re-conditioning of farm buildings has gone steadily forward, and that in some few cases major works have been undertaken, consisting of the erection of new double rank shippens and modern dairies.

A considerable amount of time has been given to aiding the smaller type of farmer, who has not previously been Accredited but whose premises, by careful planning and re-designing of existing buildings, could be rendered suitable at comparatively little cost.

The following record of experiments carried out with a view to tracing possible causes of B.coli infection in bottled milk is interesting inasmuch as they show that it is not only the producer who may be at fault when milk samples show B. coli present.

After a number of samples of bottled milk from a milk bottling depôt had been examined for coliform bacilli and repeated failure to find them free from the bacilli had resulted, a suggestion was made that the infection may have been from the operative who capped the bottles that had missed being capped by the machine. It was noticed that the operative kept a certain number of caps in her pocket before putting them in the bottles by hand. Two samples of new caps, in addition to one from the pocket of the operative, were therefore taken, and the following experiment was carried out.

The two samples of new caps, and that from the pocket of the operative, were placed in large clean sterile glass beakers, and 50 ml. of sterile distilled water were added to each. The caps were then thoroughly washed in the distilled water by rotating the beakers. They were then allowed to stand for one hour, each beaker being rotated from time to time. Then using two tubes of MacConkey's Bile Salt Lactose Neutral Red Fluid Media for each sample, inoculations were made, taking 1ml. of the washings from each beaker, using a sterile 1 ml. graduated pipette. The tubes were then incubated at 37°C for 48 hours.

The tubes inoculated from the washings of the new caps remained sterile, whilst the tubes inoculated with the washings from the caps used by the operative were found to contain coliform bacilli.

In view of these results, further experiments were carried out using caps from other milk depôts and below is a table setting out the results obtained:—

New Caps—

Number examined	11
Negative	11
Positive (B.coli)	—
% Positive	—

Caps taken from Operative—

Number examined	28
Negative	16
Positive (B.coli)	12
% Positive	42.8%

The conclusion drawn is that in many cases coliform bacilli may be infected into the bottled milk by the operative during the capping process at the bottling dairy.

Section VIII.-Food and Drugs Act, 1938.

The Chief Inspector of Weights and Measures (Mr. Stacey Hallard) reports on the work of his Department, so far as it relates to the sampling of foods and drugs, as follows.

During the year under review, 1,922 samples of foods and drugs including 968 milks were submitted to the Public Analyst for analysis—221 or 11.5 per cent. of these were certified as adulterated or not up to standard. No less than 173 referred to milk, and although on the face of it this number appears to be exceptionally high, it should be noted that many of these samples were of abnormal character and therefore really genuine, as the deficiency was due to some peculiarity of the cows. On the other hand a considerable number were definitely watered; no doubt in many cases this was deliberate. In one instance a sample of milk was found to be adulterated with 58.3 per cent. of added water, this being the highest percentage ever found in a sample taken by officers of this Department. The vendor was prosecuted and heavily fined. In all, some 50 cases of serious milk adulteration were discovered and proceedings taken resulted in fines and costs totalling £232 14s. 0d. being imposed by the magistrates.

Lack of space does not allow for any detailed account of the action taken in regard to many of the adulterated foods and drugs other than milks. It is sufficient to say that 31 of them related to samples of sausage, vinegar, lard, iodine, grey powders, etc., all of which failed to reach the recognised standard of quality, and a further 17 articles such as sweetening agents, self-raising flour, custard powder, etc., which were all certified as containing varying amounts of *undeclared* saccharin. In connection with these latter articles the manufacturers were approached, and in practically every case they agreed to declare the presence of saccharin on future packages. It should be noted here that in May, 1941, the Cheshire County Council made representations to the Ministry of Health suggesting that it should be made obligatory on manufacturers to disclose the presence of saccharin in their products. The Ministry were not at that time prepared to agree but later in the year an Order was made prohibiting the manufacture for sale of any mixture containing flour or starch and saccharin except under a licence granted by the Ministry of Food.

An outstanding feature of the year was the number of food substitutes which appeared on the market—many of these were of little value although the labels on the packets led

the purchaser to believe that the product was the ideal substitute for the particular commodity in short supply. Exorbitant prices were charged, and, in spite of repeated prosecutions, the business became such a ramp that the Ministry of Food took action. A substitute cannot now be made unless the formula is disclosed to the Ministry and the manufacturer licensed. Naturally this has caused many products to disappear from the market altogether; to mention only one example, an article was being passed off on an unsuspecting public as "milk powder" which, when analysed was found to afford no evidence of the presence of milk solids and consisted essentially of Flour and Salt.

In concluding this short summary it is regrettable to have to state that the figure of 11.5 per cent. of adulterated or non-standard articles creates an all time high record for our County, the figures for the last three years being, 1938—5.4 per cent.; 1939—6.5 per cent.; 1940—9.0 per cent. Previous to this the highest figure appeared during the last war (in 1915), when 8.5 per cent. of samples taken were certified as below standard.

Section IX. Mental Deficiency

Particulars of Mental Defectives as on 31st December

Number of Cases "Subject to be dealt with":—						
1. Under "Order":—						
(a) (1) In Institutions (excluding cases on Licence)—						
	1941			1940		
	M.	F.	T.	M.	F.	T.
Under 16 years of age ..	31	25	56	36	34	70
Aged 16 years and over ..	142	149	291	131	137	268
(2) On Licence from Institutions—						
Under 16 years of age ..	—	—	—	—	—	—
Aged 16 years and over ..	11	10	21	12	9	21
(b) (1) Under Guardianship (excluding cases on Licence)—						
Under 16 years of age ..	—	—	—	—	—	—
Aged 16 years and over ..	1	2	3	1	2	3
(2) On Licence from Guardianship—						
Under 16 years of age ..	—	—	—	—	—	—
Aged 16 years and over ..	—	—	—	—	—	—
2. In "Places of Safety":—						
Under 16 years of age ..	1	—	1	1	—	1
Aged 16 years and over ..	2	1	3	—	1	1
3. Under Statutory Supervision .. 450 425 875 451 419 870						
4. Action not yet taken under any of the above headings:—						
(a) Notified by Local Education Authorities (Sec. 2 (2)) — — — — — —						
(b) Mental Defectives in receipt of Poor Relief:—						
(1) Institutional—						
(a) In Public Assistance Institutions not approved under Sect. 37 .. 29 23 52 34 34 68						
(b) In Institutions certified under the M.D. Acts (including those approved under Sect. 37)—						
(1) Cases "placed" under Sec. 3 — — — — — —						
(2) Other Cases — — — — — —						
(2) Domiciliary 50 47 97 35 48 83						
Number of Cases who may become "Subject to be dealt with":—						
(1) In Institutions or under Guardianship— dealt with under Sec. 3:—						
(a) In regard to whom the Local Authority contributes under its permissive powers — 2 2 1 2 3						
(b) Maintained wholly by parents, relatives or others 34 7 41 32 8 40						
(A number of cases may not be known to us.)						
(2) Reported to the Local Authority from any reliable source, but as to whom no action has been taken — — — — — —						
(3) Under Voluntary Supervision — — — — — —						

Ascertainment

The methods of ascertainment are the same as in previous years. Every effort is made to obtain particulars of all mental defectives in the County. Health Visitors, District Nurses, Relieving Officers, Head Teachers, parents and various officials report cases, and all persons whose work makes defectives known to them are well aware of the Authority to which information should be supplied.

Provision of Institutional Accommodation (Excluding Cases on Licence) at 31st December

	1941			1940		
	M.	F.	T.	M.	F.	T.
<i>Institution for Defectives provided by the State—</i>						
Rampton State Institution, Retford	—	1	1	—	1	1
<i>Institution provided for Defectives by Cheshire Joint Board—</i>						
Cranage Hall	78	108	186	79	110	189
<i>Institution provided for Defectives by Cheshire County Council—</i>						
Mary Dendy Homes, Alderley Edge.. .. .	38	24	62	34	22	56
<i>Institution provided for Defectives by other Local Authority—</i>						
Calderstones (Lancashire Mental Hospitals Board)	3	—	3	3	—	3
<i>Other Certified Institutions for Defectives—</i>						
Besford Court, Worcester	1	—	1	1	—	1
Brentry Colony, Bristol	1	—	1	2	—	2
Dovecot, Knotty Ash, Liverpool	—	2	2	—	2	2
Gillibrand Hall, Chorley	—	1	1	—	1	1
Hillside, Buntingford	1	—	1	—	—	—
Pontville R.C. Inst., Liverpool	1	—	1	—	—	—
Princess Christian's Farm Colony, Hildenborough, Kent	—	1	1	—	1	1
Royal Albert Institution, Lancaster	4	7	11	6	7	13
Royal Earlswood Institution, Redhill.. .. .	1	—	1	1	—	1
St. Mary's Home, Alton	—	1	1	—	—	—
St. Raphael's Colony, Brentford	1	—	1	1	—	1
Stoke Park Colony, Stapleton, Bristol	13	11	24	12	8	20
Swinton Home, Manchester	—	3	3	—	3	3
Whittington Hall, Chesterfield	—	2	2	—	2	2
<i>Certified Public Assistance Institutions—</i>						
Arclid House, Sandbach (Cheshire C.C.)	28	9	37	25	9	34
The Lodge, Caersws (Montgomeryshire C.C.)	1	2	3	1	2	3
Seaford House, Seaford (Lancashire C.C.).. .. .	2	—	2	2	—	2
Ashton House, Birkenhead (Birkenhead C.B.)	—	3	3	—	3	3
Total	173	175	348	167	171	338

For detailed information on the Mary Dendy Homes see Section XI.

Guardianship

At the 31st December, 1941, there were 3 cases under Guardianship, as compared with 3 at the end of 1940. All necessary care is exercised in the approval of Guardians, and in suitable cases the provisions of Section 30 (e) of the 1913 Act have been utilised.

Supervision

Statutory supervision is carried out by the County Health Visitors, who visit each case several times during the year and report quarterly on their visits. There were 875 cases so supervised at 31.12.41, compared with 870 at 31.12.40.

Occupation Centres and Home Training

There are no occupation centres in the County, which is mainly rural in character.

No provision has been made for Home Training.

Licence, Discharge and After-Care

At the end of 1941 there were 21 cases on licence from Institutions and none on licence from guardianship as compared with 21 and none at 31.12.40. The care exercised in the selection of cases and regularity of visitation has resulted in the success of the Council's policy under this heading.

Four cases who had been on licence from an Institution were discharged during the year under review.

They remained under the care of the persons to whom they had been licensed.

Section X.-Welfare of the Blind

General

The requirements of the Blind Persons Acts, 1920-38, are met by the Council in its revised Scheme for the Welfare of Blind Persons, dated May, 1931. The provisions of this Scheme are executed, subject to the general administrative supervision of the Blind Persons Inter-Sub-Committee of the Council, by the Blind Welfare Societies at Chester, Ashton-under-Lyne and Macclesfield, which receive annual grants in accordance with the Scheme of the Minister of Health under the Local Government Act, 1929. The closest co-operation is maintained with these Societies, and the various services rendered by them continue to be entirely satisfactory.

Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants are examined by the County Oculists. Those who wish may be examined a second time under the Medical Referee Service—conducted jointly with the Northern Counties Association—by independent Medical Referees.

Statistics

Number of Registered Blind Persons in the County at
31st March

	1941
Under 5 years	4
5—16 years	13
16—21 years	16
21—40 years	96
40—50 years	120
50—65 years	244
65—70 years	156
70 years and over	449
Unknown age	10
Total	1108

Registered Blind Persons in County, aged over 16 years, employed,
or otherwise, at 31st March

	1941	
Employed {	in Workshops & Workrooms	21
	as Home workers	24
	variously	17
Unemployed	1020	
Undergoing Training	9	

Workshop Employees

Annual grants were continued at fixed rates of £40 or £52 a year, to recognised Workshops for Cheshire employees. A "minimum wage" principle—41/9d. weekly for female and 56/9d. weekly for male employees—has been adopted for certain workers at Henshaw's, their income being made up to that amount. There were 2 Workshop employees, 1 female and 1 male, at the end of 1941, on this principle, and 2 females on the fixed rate system, at Henshaw's, and 1 male on the fixed rate system at the Liverpool Workshop.

Home Workers

The three voluntary societies arranged for the employment at home of those capable of it, and for augmentation of their earnings by up to 5/0d. weekly. Further augmentation of 12/6d. weekly was given by the Council to all County approved Workers, who numbered 35 at the end of 1941.

Homes Residents

Annual grants in accordance with the Local Government Act Scheme are paid to several organisations, subject to the same services continuing to be rendered on behalf of Cheshire residents in Homes for the Blind; additional capitation grants of £13 a year are made for new entrants, whose maintenance charges are also paid by the Committee if necessary. At the end of 1941, there were 7 Cheshire residents being so maintained in the Homes of the Manchester and Salford Society and 5 in the Homes of Henshaw's Institution.

National Library for the Blind

Grant at the rate of £50 a year was made in 1941 to the National Library for the Blind on behalf of each of 4 Cheshire Home Workers who were Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

Other Services

The usual annual grants were continued in 1941 to the National Institute for the Blind and the Northern Counties Association for their respective national and regional services.

Wireless Certificates

46 Certificates entitling the recipients to a free wireless licence were issued in 1941 to applicants on the register.

Necessitous Blind

In its Scheme under the Local Government Act, 1929, the Council made a declaration that all domiciliary assistance to necessitous blind persons should be henceforth provided by virtue of the Blind Persons Act and not as Poor Relief. The Council's revised Scheme for Domiciliary Assistance, dated April, 1938, provided that the weekly income of every adult registered blind person be increased where necessary to 25/-, and that of a married blind couple to between 30/0d. and 45/0d., according to circumstances, and that such persons might be eligible for extra grant on account of dependants. The scale became subject to a war bonus of 2/6d. from 16.5.1940.

In 1941 grants were made by the Blind Persons Inter-Sub-Committee in 108 cases, and withheld in 3. Grants reported as ceased, owing to death of recipient, or otherwise, numbered 95.

At the end of the calendar year 1941, there were 708 weekly grants so made to blind persons in the County.

Section XI.-County Institutions

REPORT OF THE MEDICAL SUPERINTENDENT OF CLATTERBRIDGE COUNTY HOSPITAL

General

During the year 1941, steady if rather slow progress has been made in the extensions of the hospital, and further developments in the Emergency Hospital Scheme of the Ministry of Health have occurred in addition to some further expansions of the normal County work. The nature of the medical work done can be derived from the statistical Appendix which is arranged as follows:—

1. In-patient admissions, discharges, etc.
2. Comparison with previous year (the comparison excludes Air-raid casualties and service cases).
3. Statistics of Out-patients.
4. Medical Classification of Discharges in 1941.
5. Classification of Operations performed under anaesthetics.
6. Classification of X-Rays taken.
7. Statistics of Midwifery Department.
8. Classification of Pathological Work.

Attention is directed to the marked increase in Maternity work especially (Table 7). Much of this work was done in considerable difficulties, for the ward was undergoing extensive alterations which are not yet complete (February, 1942).

There appears to be an increasing tendency to take advantage of the facilities for diagnosis and treatment of Gastric conditions. This entails a considerable amount of strain on the X-ray Department as all gastric conditions have a screen examination by the Radiologist, a proceeding in each case lasting for 20 minutes, or even half an hour. It has therefore not been possible to have patients X-rayed as soon as requested, inasmuch as the Radiologist visits only twice a week. A waiting list has gradually appeared here. Apart from this the work of the department has continued to grow rapidly. On the other hand a very small proportion of Cancer cases is treated in the hospital only about 3 per cent. of those occurring in the County, judging by the 1940 figures; there are of course no facilities for X-ray or radium treatment at the Hospital. Cancer cases in need of radiation treatment are sent to the Cancer and Skin Hospital and Radium Institute, Liverpool; the facilities at Chester Royal Infirmary are much

too restricted for our use. The number of cases transferred during the year to the Cancer Hospital, Liverpool, was 11. Owing to the War radium treatment may no longer be hired, but most of these cases had X-ray treatment.

Many requests for private ward facilities have been received throughout the year, and have had to be refused.

The increasingly acute character of the work on the whole can be gathered from item 10 of Table 1. The number of patients discharged after a stay of 13 weeks or more is 149, as compared with 206 in 1939. The number of deaths has again slightly increased although its ratio to admissions shows a decided fall. No less than 59 patients died within 24 hours of admission.

The Buildings

The total number of buildings continues to increase rapidly. There are forty in use at present and another 10 are in construction. Of these fifty, thirty are to the east of the stream and twenty to the west of it, the only practical communication between the two groups being the main road. The Ministry of Health have been pressed to improve this, but while they have not given a clear refusal, are plainly unwilling to sanction an internal roadway.

The Hospital is favourably situated with a view to the recovery of patients once they have reached here, but is difficult to reach even from places at no great distance "as the crow flies." This has become much worse during war-time both for non-resident staff and for patients and their visitors; it limits greatly the possibilities of out-patient follow-up work, and quite a proportion of this work has to be done elsewhere.

During the year the new operating theatres became available for use. The Chapel was finally vacated by patients during November. The second row of huts erected by the Ministry is still under construction, as is the new decontamination block. In August the Mayor of Bebington handed over a recreation hut in close proximity to the first row of huts.

It should be mentioned that in addition to the equipment provided by the Ministry of Health for the huts, several valuable pieces of apparatus have been received on loan from the American Red Cross including a particularly fine lighting set for the hut theatre.

Seventeen whole-time members of the Staff are on Active Service.

On the medical side, a Consultant Physician has now been appointed in the person of Dr. E. T. Baker-Bates.

The Eye Specialist, Mr. Hamilton, has gone on Active Service and Mr. Allan is doing his work at present.

The Emergency Medical Services of the Ministry of Health have added another resident medical officer to the establishment, and in May their Chest Surgery Unit was transferred from Broadgreen Hospital. This latter Unit consists of five surgical specialists, two anaesthetists and a medical specialist; its Director is Mr. H. Morrison Davies.

A Dietitian has been appointed to the Hospital, in the person of Miss J. Keay. Her duties include the preparation of all the special diets required for patients suffering from Diabetes, Gastric and Duodenal Ulcers, Nephritis, etc. During December, the daily average of such diets had reached 41.5.

On the Nursing side there has been a further expansion of the establishment of student nurses, to 69. No great difficulty has so far been met with in completing this establishment. One minor one concerns the affiliated schools, as until the results of the Preliminary Examination are received we do not know how many nurses to expect from these sources. The shortage of trained staff continues to cause anxiety.

Nurses Training School

It was decided by the Committee to separate the two appointments held by Sister Osborne. Sister Osborne continues as Assistant Matron and has been succeeded as Sister Tutor by Miss Richards. Dr. Yeoman continues to act as Lecturer in Medicine, Anatomy and Physiology.

The medals for the best nurse in each year were presented by the Chairman of the Committee on 31st December, 1941. The successful nurses were:—

3rd Year—Mary Agnes Wright.

2nd Year—Nancy Davies (won 1st Year Medal last year).

1st Year—Margaret Miller Mercer.

The Civil Nursing Reserve provides the Hospital with 29 trained nurses, 15 assistant nurses and 82 nursing auxiliaries. The Ministry introduced new regulations for the training of nursing auxiliaries during the year, substituting 14 days intensive resident course for the previous 50 hours. This Hospital has given this training to 35 nursing auxiliaries in the latter half of the year.

A War Savings Group from the Staff was formed in August, 1940. Since then until December, 1941, a total of £455 6s. 0d. has been collected. This Group has been administered very largely by Miss Tilston with the assistance of a voluntary worker, Mr. Palmer.

The Staff Sports Club has had a busy and successful year. Besides arranging games, a stage entertainment was given in the Out-patient Department, during Christmas time. The lack of facilities for tennis continues to be felt very keenly.

The Chaplain, Rev. H. E. Boulton, died on 26/11/1941, after a connection with Clatterbridge of many years. We all lament his death. His duties for the time being are being performed by the Rev. J. Northridge.

The Library continues to be in the charge of Mrs. W. T. Threlfall and her able Assistants; all are voluntary, and to all our best thanks are due. During the year 1941, no fewer than 12,160 books were lent to patients. By the kindness of Mrs. Wall, a new book-trolley is on order. There is, I understand, a shortage of well-bound books; novels and technical books are those chiefly desired.

The Convalescent Annexe at Thornton Manor has continued its usefulness throughout the year, though on a decidedly reduced scale in the latter half. This was due to the small number of Service admissions at this time. At the time of the Air-raids in March very extensive use had to be made of it; it was indeed invaluable. Some changes in the Staff have occurred and the Matron is now Miss Hann.

Chest Unit

Mr. H. Morrison Davies, the Director of the Unit, has kindly supplied me with the following report on its work.

The Liverpool and North Western Area Chest Surgical Unit was transferred to Clatterbridge County General Hospital in May, 1941, after the bombing of Liverpool. The Unit is glad to have been accorded this opportunity of expressing to the Authorities, and especially to Dr. Mackay and Dr. Wilkie, their most appreciative thanks for the facilities which have so generously and freely been placed at their disposal. The members of the Unit are, moreover, fully conscious that such success as they have had has been largely due to the very friendly co-operation of Dr. Wilkie and to the loyal assistance of his Staff.

During the period of May to December, 1941, 91 cases have been treated. These include 14 cases of perforating or non-perforating chest wounds due to enemy action; 10 cases of lung abscess, 13 of empyema, 8 of bronchiectasis. There were also 5 cases of carcinoma of the lung, one of which was treated successfully by pneumonectomy, and 2 cases of mediastinal tumour treated by removal.

The Unit holds clinical meetings every Saturday at 10 a.m. to which visitors are cordially welcomed.

Service Cases and Air Raid Casualties

The number of Service Case admissions during the year was 670, and discharges 613. Deaths occurring in Service Cases were 8.

Air Raid Casualties admitted during the year numbered 385, discharged 364, and the number of deaths occurring in Air Raid Casualties was 17.

TABLE 1.
IN-PATIENTS.

1. Total Admissions.						
County Cases	—	—	—	—	—	3484
Air Raid Casualties	—	—	—	—	—	386
Other E.M.S. Cases	(a)	Transferred from other Hospitals	—	—	212	
	(b)	Child Evacuees	—	—	40	
	(c)	Adult Evacuees	—	—	131	
	(d)	Industrial Workers	—	—	30	
	(e)	Merchant Navy	—	—	37	
	(f)	Transferred War Workers	—	—	2	
	(g)	Land Army	—	—	1	
Service Cases	—	—	—	—	—	453
						669
						4992
						4992
2. Total number of women confined in Hospital	—	—	—	—	—	557
3. Number of Live Births (including 6 sets of Twins)	—	—	—	—	—	535
4. Number of Still Births	—	—	—	—	—	26
5. Number of Deaths among newly-born (i.e., under four weeks of age)*	—	—	—	—	—	30
6. Total number of Deaths among children under one year (including those given under No. 5)	—	—	—	—	—	55
7. Number of Maternal Deaths among women admitted to Hospital for confinement	—	—	—	—	—	1
8. Total number of Deaths	—	—	—	—	—	419
9. Total number of discharges (including infants born in Hospital)	—	—	—	—	—	4481
10. Duration of stay of patients, including 8 and 9 above (excluding Service and A.R. Casualty cases). :—						
	(a)	Under four weeks	—	—	—	2988
	(b)	Four weeks and under thirteen weeks	—	—	—	761
	(c)	Thirteen weeks or more	—	—	—	149
11. Number of beds occupied (excluding cots in Maternity Wards):—						
	(a)	Average during the year	—	—	—	333
	(b)	Highest during year (on 7/12/41)	—	—	—	347
	(c)	Lowest during year (on 8/8/41)	—	—	—	257

* This figure relates only to children born in hospital.

TABLE 2.

(A comparison with the preceding year, excluding Service & A.R.C.)

	1940	1941	Variation
Number of Admissions (including Births)	3259	3937	+678
Number of Discharges— — —	2839	3504	+665
Number of Deaths — — —	366	394	+28
Number of Live Births — — —	430	535	+105
Number of Still-births— — —	43	26	-15
Number of Patients in Hospital (31st Dec.)	253	292	+39

TABLE 3.

Visits to Outpatient Department, 1941

	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total
Ante Natal — — —	245	344	328	359	1276
E.N.T. — — —	59	55	177	83	374
Ophthalmic — — —	23	38	64	56	181
Orthopaedic — — —	128	198	189	199	714
Pneumothorax — — —	94	154	146	149	543
Dental — — —	2	—	—	—	2
Massage — — —	58	161	260	170	649
Gynae. & Post Natal — — —	15	16	24	30	85
General — — —	576	687	644	671	2578
Medical — — —	—	—	—	5	5
	1200	1653	1832	1722	6407

Visits by Service & A.R.C. attending Outpatient Department, 1941.

E.N.T. — — —	9	14	1	27	51
Ophthalmic — — —	2	11	4	1	18
Orthopaedic — — —	2	45	22	29	98
Dental — — —	—	—	—	—	—
General — — —	31	108	27	53	219
Massage — — —	—	11	27	32	70
	44	189	81	142	456

TABLE 4.

Classification of In-patients who were discharged from, or who died in, the Hospital during the year ended 31st December, 1941.

Disease Groups	Children under 16		Men & Women.	
	Dis- charged	Died	Dis- charged	Died
A. Acute Infectious Disease	12	—	7	1
B. Influenza	1	—	3	—
C. Tuberculosis				
(1) Pulmonary	3	—	28	21
(2) Non-Pulmonary	9	4	11	7
D. Malignant Disease	—	—	53	59
E. Rheumatism.				
(1) Acute Rheumatism (Rheumatic Fever) together with sub-acute Rheumatism and Chorea	5	—	10	—
(2) Non-articular manifestations of so-called Rheumatism (Muscular Rheumatism, Fibrositis, Lumbago and Sciatica)	2	—	20	1
(3) Chronic Arthritis	1	—	13	2
F. Venereal Disease	2	1	16	1
G. Puerperal Pyrexia	—	—	16	—
H. Puerperal Fever				
(a) Women confined in hospital	—	—	—	—
(b) Other cases	—	—	—	—
I. Other diseases and accidents connected with pregnancy and child birth	—	—	200	2
J. Mental Diseases (a) Senile Dementia	—	—	—	—
(b) Other	—	—	46	3
K. Senile Decay	—	—	8	11
L. Accidental Injury and Violence	45	4	294	15
M. Disease of the Nervous System and sense Organs	68	12	112	32
N. Disease of the Respiratory System	51	19	138	26
O. Disease of the Circulatory System	3	3	115	61
P. Disease of the Digestive System	135	9	497	45
Q. Disease of the Genito-urinary System	59	—	179	26
R. Disease of the Skin	49	1	58	1
S. Other Diseases	50	1	131	9
T. Mothers and Infants discharged from Maternity Wards and not included in above figures	530	10	512	1
U. Persons not falling under any of the above headings	12	—	—	—
Totals	1037	70	2467	324

TABLE 5.

OPERATIONS UNDER ANAESTHESIA.

	County Hospital Theatre	Hut Theatre
<i>Stomach and Intestines, etc.</i>		
Gastrectomy — — — — —	13	—
Gastro enterostomy — — — — —	3	—
Perforated peptic ulcer — — — — —	21	3
Rammstedt — — — — —	1	—
Appendix operations — — — — —	125	18
Intussusception — — — — —	2	—
Colectomy — — — — —	2	—
Colostomy — — — — —	11	—
Caecostomy — — — — —	1	—
Intestinal anastomosis — — — — —	4	—
Laparotomy for other conditions — — — — —	29	6
Hernia Operations — — — — —	91	14
Excision of Rectum — — — — —	2	—
Haemorrhoids Operations — — — — —	22	4
Sigmoidoscopy — — — — —	3	2
Other rectal operations — — — — —	9	1
Cholecystectomy — — — — —	14	—
Other operations on biliary passage — — — — —	2	—
<i>Genito Urinary System.</i>		
Nephrectomy — — — — —	5	—
Nephrolithotomy — — — — —	2	2
Prostatectomy (open) — — — — —	7	—
„ (transurethral) — — — — —	3	—
Suprapubic cystotomy — — — — —	8	—
Hydrocele — — — — —	7	—
Urethral operations — — — — —	20	2
Circumcision — — — — —	38	7
Cystoscopy — — — — —	19	—
Others — — — — —	7	1
<i>Gynaecological Operations.</i>		
Hysterectomy — — — — —	16	—
Myomectomy — — — — —	1	—
Ectopic Gestation — — — — —	3	—
Oophorectomy — — — — —	10	—
Gilliam — — — — —	2	—
Sterilisation — — — — —	1	—
D. & C. — — — — —	27	—
Perineorrhaphy and other repair ops. — — — — —	16	—
Miscellaneous — — — — —	26	—
Caesarians — — — — —	20	—
<i>E.N.T. Operations.</i>		
Mastoid — — — — —	15	—
Submucous resection nasal septum — — — — —	9	2
Removal of polypi — — — — —	4	—
Removal of Tonsils and/or Adenoids — — — — —	54	1
Other — — — — —	5	—
Oesophagoscopy — — — — —	8	—
<i>Eye Operations.</i>		
Cataract — — — — —	6	—
Strabismus — — — — —	17	—
Others — — — — —	13	6

Table 5—continued

	County Hospital Theatre	Hut Theatre
<i>Orthopaedic and Accident Department.</i>		
Major amputations	4	3
Minor amputations	7	5
Open operations for fractures	3	1
Compound fractures	2	12
Debridement and/or wound excision	19	52
Manipulation and/or application of plaster	42	49
Burns	4	3
Osteotomy	3	—
Osteomyelitis	5	—
Operations on tendons	3	1
Removal of semilunar cartilage	1	3
Others	21	7
<i>Thoracic Surgery.</i>		
Thoracoplasty	8	1
Rib resection and deroofting	3	—
Empyema thoracis	24	1
Pneumonectomy	3	—
Drainage of pulmonary abscess	2	—
Removal of Mediastinal tumour	2	—
Subphrenic	1	—
Thoracotomy	4	—
Thoracoscopy	2	—
Bronchoscopy	9	—
Bronchography	2	—
Artificial Pneumothorax	6	—
Phrenicectomy	4	—
Sequestrectomy	2	—
Pleural adhesions	1	—
<i>Other Conditions.</i>		
Operations on breast	11	—
Thyroidectomy	2	—
Dissection of cervical glands	10	—
Drainage of abscesses	59	24
Curettage of sinuses	11	1
Skin graft	11	2
Varicose veins	2	3
Aneurysm	1	—
Meningocele	1	—
Cerebral abscess	1	—
Neoplasm of jaw	1	—
Miscellaneous minor operations	28	11

TABLE 6.

<i>X-Ray Department.</i>	
Gastro intestinal tract	296
Renal	140
G.B.	56
Ante natal	59
Chests	1482
Screening of Chest	52
Others	1666
	<hr/> 3751 <hr/>

TABLE 7.

MATERNITY WARD REPORT, 1941.

Ante-Natal Clinic.

Total No. of patients	—	—	—	—	284
„ „ visits	—	—	—	—	1276
Average attendance per patient	—	—	—	—	4.5
„ „ „ week	—	—	—	—	24.7

Maternity Ward.

Total number of deliveries	—	—	—	—	544
Average duration of stay	—	—	—	—	15.2 days
Total No. of 1st confinements	—	—	—	—	293
„ „ live births	—	—	—	—	501
„ „ still-births	—	—	—	—	43

					A.N.C.	EM.
Prolapsed Cord	—	—	—	—	1	0
Anencephaly, etc.	—	—	—	—	2	2
Eclampsia	—	—	—	—	0	1
Disproportion	—	—	—	—	4	2
Placenta Praevia	—	—	—	—	1	1
Accidental Haemorrhage	—	—	—	—	2	4
W.R. positive	—	—	—	—	0	1
Intrauterine death	—	—	—	—	2	0
Breech	—	—	—	—	1	1
Failed Forceps	—	—	—	—	0	1
Instrumental	—	—	—	44	36	8
Caesarean Section	—	—	—	20	16	4
Other Doctors' cases	—	—	—	10	5	5
Perineal repairs	—	—	—	80		
Neonatal Deaths	—	—	—	17		
Congenital heart	—	—	—	—	1	0
Prematurity	—	—	—	—	3	6
Cerebral haemorrhage	—	—	—	—	2	
Atelectasis	—	—	—	—	2	
Pneumonia	—	—	—	—	1	
Abnormality	—	—	—	—	2	
Maternal Death	—	—	1			Post mortem, Fatty Heart
Notified Puerperal Pyrexia	—	—	—	—	1	
Notified Ophthalmia Neonatorum	—	—	—	—	1	

TABLE 8.

CLASSIFICATION OF PATHOLOGICAL WORK.

Bacteriology.

Number of Specimens examined	—	—	3100
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Bio-Chemistry.

Number of Specimens examined	—	—	1133
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Pathology.

Number of Specimens examined	—	—	1543
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Total	—	—	<u>5776</u>
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REPORT OF THE MEDICAL SUPERINTENDENT OF WEST PARK COUNTY HOSPITAL, MACCLESFIELD

General

The principal development of the year 1941 has been the provision of beds for County patients. As from July 1st, 1940, the Hospital was entirely devoted to the work of the Emergency Medical Service, and consequently no local patients were admitted. It soon became evident that some hospital accommodation was necessary for these cases; the Maternity Ward was re-opened on January 1st, and beds for medical and surgical cases, including children, opened on the 23rd April.

Maternity

In the first place six beds were provided in the Maternity Ward and it was decided that this number should be increased to sixteen as soon as practicable. In the first quarter of the year nineteen cases were admitted; there followed a progressive increase and the total of admissions for the year was 178, of which number 134 attended the Ante-Natal Clinic at the hospital. In previous years the work of the department had been restricted to normal cases; since the new unit opened there has been a steady increase in the number of abnormal cases treated, including emergencies. It appeared that the accommodation would be fully utilised during the next year and might prove insufficient.

The Borough of Macclesfield pays the full cost of maintenance of mothers referred from the Ante-Natal Clinic by the Medical Officer of Health. 87 cases were admitted in this way, and the arrangement has worked smoothly and proved to be satisfactory.

Medical and Surgical

In April wards were opened for medical and surgical cases and for children. Patients are admitted, as a rule, at the request of their own doctors; the demand for accommodation has increased slowly but surely, as the work of the hospital became known in the district. The emergency X-ray apparatus proved to be inadequate, and an order was placed for a modern X-ray plant capable of dealing with the work in a manner appropriate to a County General Hospital; at the same time sanction was given to the appointment of a Radiologist and Radiographer. The construction of a new operating theatre was contemplated, but found to be impracticable at the present time.

Radium Cases

Towards the end of the year a request was received from St. Mary's Hospital, Manchester, for the use of beds for patients requiring treatment with radium. Six beds were provided for this purpose and a scheme drawn up to increase the number to twelve if necessary. The radium used is the property of St. Mary's Hospital and the work is carried out by members of the Honorary Staff. The full cost of maintaining the patients is met by St. Mary's.

E.M.S.

The E.M.S. patients during the year were almost all chronic or infirm patients, numbering approximately 100, who had been admitted during the autumn of 1940, from hospitals and institutions in London.

HOSPITAL BUILDINGS

It has not been possible to embark on any major scheme of development owing to the war, nevertheless a number of alterations have been made to improve existing accommodation. Some of the wards are unsuitable for the treatment of acute cases because of their size, small windows, etc., but the chief difficulty is that of access as there are no lifts and it is no easy matter to use the upper wards for stretcher cases; moreover, the various wards and departments are disposed in five separate blocks not connected by corridors, and this has the disadvantage that all patients sent to the X-ray department must be transferred through the open, an arrangement which also applies to female patients passing to and from the Operating Theatre. The scattered nature of the buildings also increases the difficulty of administration.

Nurses' Home

The present Nurses' Home is not big enough and the accommodation is inadequate. Some members of the staff have quarters elsewhere in the hospital; the majority of the Civil Nursing Reserve live in billets, taking their meals at West Park. These arrangements are far from satisfactory and it is evident that some improvement must be effected at an early date.

The following is a list of the schemes sanctioned during the year some of which have been carried out:—

1. Alterations to provide a Maternity Unit of 16 beds, new instruments and equipment.
2. Improvements to the Engineering services, new water and gas mains.

3. Provision of an Ante-Natal Clinic by alterations to the old Receiving Wards in the administrative block.
4. New X-ray equipment and alterations to the Department.
5. Provision of a Massage Department by adaptation of a former dayroom and equipment with couches, lamps, etc.
6. Provision of new equipment for Theatre and wards, including Shadowless Light, Operating Table, etc.

A plan has been drawn up for the improvement of the existing accommodation throughout the hospital in view of the experience gained during the year.

Farm

The farmlands were cultivated by Parkside Mental Hospital during the year but it was decided that a dairy farm should be established to provide a direct source of milk to the hospital. It was agreed that a Farm Bailiff should be appointed and that he should live in Park Farm, an alternative residence for the Medical Superintendent being provided in Rock House, Prestbury Road, which had originally been taken to provide quarters for medical staff.

STAFF

The number of nurses employed at the hospital on December 31st, 1941, was as follows:—

Cheshire County Council—Trained	—	10
Student Nurses	—	22
Civil Nursing Reserve—Trained	—	10
Assistant Nurses	—	—
Nursing Auxiliaries	—	25

Difficulty was felt during the year in obtaining a sufficient number of student nurses, but the position was relieved after the introduction of the Government scheme during the summer. The hospital is an affiliated training school and the training extends for four years, the first two being spent at West Park and the remainder at Clatterbridge Hospital. The disadvantage of this arrangement is that the nurses leave West Park at a time when their services are of most use to the hospital, as they are then of sufficient experience to undertake more difficult work. Again many candidates will prefer to join a hospital where the training can be finished in three years. It is hoped that it will be possible before long to establish a complete training school at West Park.

In common with other institutions the hospital has at times been unable to secure a sufficient number of midwives, and for this reason the work of the Maternity Ward has been carried out under many difficulties, which have been overcome through the help and co-operation of the senior members of the nursing staff.

C.N.R.

The members of the Civil Nursing Reserve are allocated to the hospital by the Sector Matron. They include trained nurses, assistant nurses and nursing auxiliaries; the latter now receive 14 days intensive training at the hospital during which period they are resident. Afterwards they are retained or drafted to other hospitals.

Medical Staff.

The Medical Superintendent has had the assistance during the year of Dr. Clegg, as Visiting Medical Officer and Deputy Medical Superintendent, and 3 medical officers of the E.M.S., one of whom was called up for military service in February, 1941.

It remains to record the excellent service and co-operation rendered by all members of the staff throughout the year.

Statistical Appendix

Bed accommodation—County Council:—

Men	...	36
Women	...	33
Children	...	15
Maternity	...	16
		—
		100
E.M.S.	...	180
		—
Total	...	280

COUNTY

No. of patients in Hospital December 31st, 1940—None

No. of patients in Hospital December 31st, 1941—78

Admissions 579

Discharges 576

Maternity

Admissions	178
Births	170
Stillbirths	12
Ante-Natal Attendances ...	859
Massage Treatment	1271
X-rays taken	234
Pathological exams.	338
Operations	72
Deaths	68

E.M.S.

No. of patients in Hospital December 31st, 1940—178

No. of patients in Hospital December 31st, 1941—103

Admissions	15
Discharges	74
Massage Treatments	1438
X-rays taken	41
Pathological exams.	15
Deaths	52

REPORT OF THE MEDICAL SUPERINTENDENT OF THE MARY DENDY HOMES, ALDERLEY EDGE

Admissions and Discharges

On the 1st January, 1942, there were 279 male and 146 female patients, a total of 425 patients, resident in the Homes.

Nineteen male and ten female patients were admitted during the year, and twelve male and four female patients were admitted in pursuance of Orders under the Mental Deficiency Act. As these latter cases were previously resident in the Institution, they were automatically discharged and re-admitted.

Mental State on Admission

Imbecile.	Feeble-minded.
9 Males.	22 Males.
3 Females.	11 Females.

Thirteen male and four female patients left the Homes during the year.

Of these male patients three were transferred to other Institutions, seven were discharged to the care of their parents, and one—after a trial on licence extending over two years, his conduct being satisfactory—was also discharged to the custody of his parents.

One youth was discharged by operation of law, his Order having lapsed whilst he was out on licence, and one schoolboy who was a persistent absconder was refused permission to return to the Homes.

Of the female patients, three were transferred to other Institutions and one was discharged to the care of her parents.

One female and two male patients who absconded some time ago remain on the books of the Institution, their Orders not having lapsed.

Deaths

During the year three deaths have occurred—all being school children. The causes of death are as follows:—

Male.	Female.
Landry's Paralysis.	
Tympanites.	Tuberculosis.

This gives, on the resident figure, a death rate of 0.7%.

General Health

Taken over the twelve months, the health of the Institution has been good. A slight epidemic of Chicken-pox occurred, limited to the school children, and a more severe outbreak of diarrhœa—involving children, adults and staff—took place in the autumn. The cause of this epidemic could not be ascertained, but by the distribution of the cases was probably caused by a fly-borne infection, later spread by contacts.

One patient—when playing football—fractured a collar-bone but this has set well.

Throughout the year there have been a considerable number of skin cases, many of which have healed satisfactorily, and others—more chronic and resistant—still receive treatment.

A few cases of epilepsy have appeared among children and adults. None of these cases, however, are severe, and to date have been easily controlled by barbiturates.

As the winter months appeared there was a considerable increase in respiratory complaints among the adult patients. This, however, is not surprising as many of the older patients are now in the latter decades of life, and have—as is common

with mental defectives—a low resistance, and little reserve against ill-health in any form.

Age of Patients.	Males.	Females.
Under 16	98	38
16—20	44	19
21—29	62	35
30—39	46	20
40 and over	42	38

The Staff

The staffing position has become increasingly acute during the last twelve months. Less than 50% of the necessary resident staff are available for the care of the patients. Of these, several members have suffered, for varying periods, from ill-health, during the year. Many of the staff are getting on in years and I think it is a great tribute to their industry and loving care of the patients that such a high standard of efficiency has been maintained. Their difficulties have also been added to by the stringencies of war, black-out, etc.

As their first resident Medical Superintendent I should like to record the cordial welcome and splendid assistance—in every way possible—they have given to me.

Entertainments

Due to the lack of staff, their seniority, and war-time restrictions, the patients have suffered in a measure in their entertainments. This is regrettable, as I firmly believe that to keep an Institution population happy and contented, a certain amount of variety must be introduced into their leisure hours. Mentally deficient patients if left alone are only too prone to sit huddled in their dayrooms and to become increasingly apathetic and dull, or if they are of the restless type, to brood over fancied wrongs, become discontented, and develop into persistent escapers. A successful dance was held on the 23rd December in Marion Brooks House and it was enjoyed to the full by all who attended. It is hoped to make dances a more regular feature of the Institution life.

Both male and female adult patients were taken on shopping expeditions by their House-masters and Matrons, while parties of the younger children have been taken to the Cinema.

It is felt that much can be done to provide both adults and children with organised entertainments and games. From previous experience these have been found to be highly beneficial to patients in that it not only gives them something to brighten their lives, but also stimulates thought, improves physique and poise, and encourages the "team spirit."

Throughout the year a regular Sunday service under the charge of Mr. Gent, has been held in the Recreation Hall. These services have been fully attended and are greatly looked forward to by both adults and children.

The Farm

This continues to be a source of profit to the Institution, not only from a financial, but also from a therapeutic, point of view. Fourteen male patients are employed on the farm. These men take a keen interest in their work, and are kind to the animals in their charge. It is encouraging to learn that several of the boys in the Special School have expressed a desire to learn farming, and indeed the farm is a source of interest to all patients whatever their ages, occupation or sex.

The work on the farm during the nine months from April to December was very satisfactory.

The hay and oat crops were moderately heavy, the wheat crop was very good, and the crop of mangolds particularly good. The yield of potatoes was very heavy but unfortunately they are not keeping well.

The value of farm produce (milk, eggs, potatoes) supplied to the Homes was	£2,592 0 7
Farm produce sold was	£1,399 10 3
Farm produce cash sales were	£54 4 3
	<hr/>
	£4,045 15 1
	<hr/>

The Gardens

As an occupational factor the gardens take a prominent place in the structure of the Institution. Twenty male patients are employed as gardeners. Several of them are quite highly skilled in their tasks.

Apart from the beneficial and high food value of the vegetables and fruit supplied to the patients, the splendid show of plants and flowers of great value in helping the minds of the patients to appreciate beauty.

A most adequate supply of garden produce was delivered to the Homes throughout the year and the surplus was sold.

The value of garden produce supplied to the Homes was	£757	4	2
Garden produce sold	£246	5	11
	<hr/>		
	£1,003	10	1
	<hr/>		

The Workshops

Good work continues to be done in the workshops where 49 male patients are employed, and despite the difficulties in obtaining material all branches are active, save rug-making. The shortage of wool has temporarily suspended this activity. The boot-making shop is now taking in outside repairs from other Cheshire Institutions.

The Laundry

Twenty-six female patients are employed in the laundry where much good work is done. It is regrettable, however, that due to the present lack of Calender, some delay is caused in the finishing of the articles.

Sandlebridge Special School

During the year the School has had an average daily attendance of 130 pupils. It has been a difficult year for the School.

Equipment has been hard to obtain, changes have taken place in the staff and re-grouping of the children has been necessitated.

I have to record, with regret, the retirement—for health reasons—of Mrs. Daybell, headmistress of the School. She has put in many years good work with the children, and the absence of her kindly sympathetic presence is felt alike by the staff and patients. We have been fortunate, however in, obtaining the services of Mrs. Jennings as a temporary headmistress who handles the affairs of the School in an understanding and capable manner.

A new certificated teacher—Miss A. Waddington—has also joined the staff.

Conclusion

Some difficulty has been experienced in drawing up this report in that the year 1941-42 has been a transitional one for the Mary Dendy Homes. After 42 years as a private Institu-

tion run by the Lancashire and Cheshire Society for the Permanent Care of the Feeble-minded, it was taken over in April by the Cheshire County Council, and as a necessary result a measure of re-organisation and adaptation has occurred. Again my appointment as the first Medical Superintendent in September, 1941, has to date only allowed me to take a general, rather than a detailed, view of the Institution.

It can be said, I think, however, that the change-over has taken place with surprising smoothness especially considering the many added difficulties of war-time.

For myself I should like to thank the various members of the Cheshire County Council and the officials of the different departments for their cordial welcome to me and the great help which has been afforded to me by all, even in the short time I have been resident here.

My thanks must also go to Miss A. Olive (Clerk and Steward) and the other officials of the Institution for the splendid support they continue to give me.

REPORTS OF THE MEDICAL SUPERINTENDENT OF WRENBURY HALL, NANTWICH.

Quarterly reports have been submitted to the Wrenbury Hall Advisory Committee as usual; for statistics of patients treated see p. 39.

PUBLIC ASSISTANCE INSTITUTIONS

Owing to war-time difficulties and the general curtailment of heavy expenditure, no works of major importance have been carried out during 1941.

Dutton

To meet the demand for accommodation for resident Nursing Staff one hospital ward was converted into cubicles. Additional essential lavatory accommodation has been provided.

Nantwich

Improvements have been carried out in respect of the heating of hospital wards and additional sterilisers have been installed.

Tarvin

Old slop sinks have been replaced by modern sluicing accommodation.

Stretcher-case gas cleansing facilities have been established at the Casualty Receiving Hospitals Arclid, Nantwich and Dutton. Arrangements have been made to increase and modernise mortuary accommodation at Arclid, Nantwich and Tarvin.

APPENDIX OF STATISTICS

1941

TABLE A.

Deaths by Causes.—Sex—
Each Sanitary District.

TABLE B.

Deaths by Causes.—Sex; Age—
Urban Districts, Rural Districts.

TABLE C.

Statistical Summary of enumerated and estimated population, area, births and deaths, birth rate and death rate, deaths of infants, infantile mortality, deaths from each of principal zymotic diseases, corresponding zymotic death rate, for each Sanitary District.

N.B.—On grounds of national security, the Ministry of Health has desired that certain forms of statistics should not be published during the present war. Accordingly the tables which follow do not give the populations of separate county districts, and in cases where mortality, etc., rates are given for such districts, the figures from which the rates have been compiled are not shown.

TABLE A (Urban i). *

CAUSES OF DEATH.	Alderley Edge U.D.		Alagar U.D.		Altrincham M.B.		Bebington M.B.		Bollington U.D.		Bowdon U.D.		Bredbury and Romiley U.D.		Cheadle and Gatley U.D.		Congleton M.B.		Crewe M.B.		Dukinfield M.B.		Ellesmere Port U.D.		Hale U.D.		Hazel Grove and Bramhall U.D.		Hoole U.D.		Hoylake U.D.			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
ALL CAUSES	22	24	20	19	199	223	255	227	33	28	16	22	100	90	151	159	83	110	361	310	119	125	162	139	75	74	118	116	44	47	188	200		
1 Typhoid and Paratyphoid Fevers								1									1					1												
2 Cerebro-Spinal Fever					2		3	1						1			1	1	1				1	2	3		1			1	1			
3 Scarlet Fever																																		
4 Whooping Cough					1	2		3							1	1		1	1	2	1		1	3										
5 Diphtheria					1	1	2	1					1	3		1	1						1				1	1		3				
6 Tuberculosis of Respiratory System			1	11	10	18	5	2					3	4	6	6	5	4	22	4	3	6	13	6	1		2	1	1		7	3		
7 Other forms of Tuberculosis			1	2	4	1		1									2	2	5	2	1	1	2			2	1		1		2	2		
8 Syphilitic Diseases							1	1							2		1		4		1					2	1		1		1	2	2	
9 Influenza	1		1		2	2	1	2			1		1	1		2	1	3	7	4	1	1		1		2	1			3	2			
10 Measles								1		1									2	1			1											
11 Ac: polio-myel: & polio-enceph:								1											1															
12 Ac: inf: enceph:							2	1											1	1	1	1	1			1						1		
13 Cancer of b: cav: & osoph: (M.)		1		1	3	7	5	6		3		1	1	3	1	2			5	6		1		1	2		2	3				1	5	
14 Cancer of stomach & duodenum	1	1	1		4	2	5	7	2				5	2	2	3		1	9	3	2	5	3	3	2	2	5	5	1	1	9	2		
15 Cancer of breast		1		2		10		9					5		5				8				3		4		2		7		2		10	
16 Cancer of all other sites	2	2	1	3	16	17	20	16	4	6	3	2	7	6	17	20	6	15	20	14	13	2	17	11	8	7	6	10	4	4	20	23		
17 Diabetes			1		2	2		4		1			1	1		1			2	3		4		2	1	3		2		1	2	4		
18 Intra-cran: vasc: lesions	3	6	1	2	17	30	20	25	6	3	1	2	8	9	8	17	6	14	30	42	6	23	13	12	5	14	18	15	4	7	13	25		
19 Heart Disease	5	6	5	4	42	44	55	49	7	2	3	11	25	32	30	34	14	16	89	78	19	24	32	30	16	22	30	23	11	15	50	55		
20 Other Diseases of Circulatory System	2				7	6	4	5	3	5			4	2	8	9	2		6	3	5	4	2	3	2	2	5	4			1	4		
21 Bronchitis	3	1	2	5	12	6	15	10		1	3		8	4	14	7	5	10	31	24	8	8	14	8	6	6	9	5	4	1	4	9		
22 Pneumonia			1	13	12	17	8			1	2		2	10	7	6	4	17	17	12	2	14	8	2	4	3	4	2	1	14	9			
23 Other Respiratory Diseases				1	3	1	5	1					3		2	3	2		7	5	7	1	2	3	2		2		3		2	10		
24 Ulcer of stomach or duodenum				6	2	2		1					2		3	1	1	1	3		4		2			1	5	2			1			
25 Diarrhoea under 2 years				2	1	1	1								1		2		1	4	2	1		3							1			
26 Appendicitis				2		1					1				1	1		5	1	1									2		2	1		
27 Other Digestive Diseases				1	5	6	3	4	1	1	1		1	1	5	2	2	2	6	11		4	2	6	4	3	2	4	1	1	6	3		
28 Nephritis	2	1	1		7	4	6	10	2			1	7	2	6	5		3	12	6	4	3	7	5	1	1	3	5		1	9	6		
29 Puerperal & post-abort: Sepsis																				3			1											
30 Other maternal causes					2		1								2		2			1		1		1										
31 Premature Birth			2		3	3	6	6		2			2	1	4	1	5	2	7	3	5	2	1	5	1		2				3	2		
32 Con: mal: birth inj: infant: dis:		1	1	2	6	6	4	1		1			1		3	5	2	3	6	4	3	3	4	3	3		1	4	3	1	1	1		
33 Suicide				1	2	4	1						4	1		2	2		4	2	3					1	1	1	1	3	3		2	
34 Road Traffic Accident	1		2	1	1	3	6	1	1				1		3	1	2		5		2		1	1	1	1	5		2		6	2		
35 Other violent causes				1	12	11	34	21			1	1	3	1	5	4	3	4	19	11	5	5	14	4	1	2	2	3	2	1	9	6		
36 All other causes	2	5	2	5	22	25	15	17	6	3	1	1	8	9	20	17	11	19	36	44	9	19	18	8	13	3	5	12	4	6	17	16		
Deaths of Infants (under one year)																																		
Total																																		
Legitimate																																		
Illegitimate																																		
LIVE BIRTHS—Total																																		
Legitimate																																		
Illegitimate																																		
STILLBIRTHS—Total																																		
Legitimate																																		
Illegitimate																																		

* See Notes at foot of Table C

Age U.D.	Sex	CAUSES OF DEATH	No. of cases	Percentage
ALL CAUSES				
...	M.	1 Typhoid and Paratyphoid Fevers	...	...
...	F.	2 Cerebro-spinal Fever	...	...
...	...	3 Scarlet Fever	...	...
...	...	4 Whooping Cough	...	...
...	...	5 Diphtheria	...	...
...	...	6 Tuberculosis of Respiratory System	...	...
...	...	7 Other forms of Tuberculosis	...	...
PARATYPHOID ILLNESSES				
...	1	9 Influenza (Epidemic)	...	...
...	...	10 Measles	...	...
...	...	11* (A) Typhoid & Paratyphoid	...	...
...	...	12 (A) Int. anaph. (Typhoid)	...	...
1	...	13 Cancer of the Cervix & Uterus (M)	...	...
1	1	14 Cancer of stomach & duodenum	...	...
1	...	15 Cancer of breast	...	...
2	2	16 Cancer of all other sites	...	...
...	...	17 Diabetes	...	...
3	3	18 Intercran. vascular lesions	...	...
...	...	19 Liver Diseases	...	...
...	2	20 Other Diseases of Circulatory System	...	...
1	1	21 Diseases of Digestive System	...	...
...	...	22 Pneumonia	...	...
...	...	23 Other Diseases of Respiratory System	...	...
...	...	24 Diseases of Urinary or Reproductive System	...	...

TABLE A.—(Urban ii). *

CAUSES OF DEATHS.	Hyde M.B.		Knuttsford U.D.		Longdendale U.D.		Lymm U.D.		Macclesfield M.B.		Marple U.D.		Middlewich U.D.		Nantwich U.D.		Neston U.D.		Northwich U.D.		Runcorn U.D.		Sale M.B.		Sandbach U.D.		Stalybridge M.B.		Wimslow U.D.		Winsford U.D.		Wirral U.D.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
ALL CAUSES	246	222	35	39	39	36	41	34	248	276	88	108	34	35	59	68	66	61	117	94	153	123	237	237	45	55	163	192	77	98	65	67	119	99			
1 Typhoid and Paratyphoid Fevers				1																			1												1		
2 Cerebro-Spinal Fever	2	1							3	2							1					1	2	1		1									3		
3 Scarlet Fever																																					
4 Whooping Cough	2		1	1		1	2													1			1	1											1		
5 Diphtheria									3	1		1										2						1	1								
6 Tuberculosis of Respiratory System	5	6	2			2	1	1	13	12	4	3		1	4	4	4	1	7	3	4	4	9	7	1	1	6	7	2	2	3	2	7	1			
7 Other forms of Tuberculosis	1	1		1					5	1	1	1						2	1	2	1	4	3	2		1	1	1	1	2	1						
8 Syphilitic Diseases	1		1						1									1					1				1	1							1		
9 Influenza	2	7	1		1				4	7	1	1	1	2			1	1		3	1	2	2	4	2		2	6	3	3	3	1			4		
10 Measles																							2					1									
11 Ac. polio-myel. & polio-enceph.									1								2																				
12 Ac. inf. enceph.									1																												
13 Cancer of b. cav. & esoph. (M. uteris (F.))	5	4		1	1	1	1		3	3		1			1	2			2	2	5	2	3	4		1	2	6	2		1				4		
14 Cancer of stomach & duodenum	5	4	1		1	2	3	1	11	6	7	4	1	1	3	4	1		3	4	4	4	6	3	1		9	4	3	1	1	1	1	7			
15 Cancer of breast		6		2					1			2	1	2				1		2			12				3		6		4		1			3	
16 Cancer of all other sites	19	14	5	2	5	5	3	1	16	23	6	6	3	4	5	7	5	5	12	3	11	12	16	19	3	1	8	15	8	8	9	4	6	12			
17 Diabetes		5					1		2	5										1	1	2					1	1	3	2		1			2		
18 Intra-cran. vas. lesions	20	25	3	1	4	3	5	5	22	19	7	11	7	4	4	10	4	6	6	11	11	11	23	27	1	2	16	27	6	11	3	12	5	11			
19 Heart Disease	72	65	11	11	4	6	6	9	54	73	21	39	10	12	22	21	15	14	28	27	33	32	57	61	4	4	35	39	17	24	13	14	34	19			
20 Other Diseases of Circulatory System	12	11	2	2	1	1	1		3	4	4	5		1	3	3	2	3	4	7	4	4	6	3		1	7	6	4	5	1	3	4	8			
21 Bronchitis	15	18	2	2	3	2	2	1	15	21	15	2	2		2			1	14	1	6	5	24	18	2	4	13	15	5	11	7	8	3				
22 Pneumonia	14	8	3		3		3	2	11	14	3	5	1		5	2	6	5	7	5	18	3	17	4	4	3	7	5	3					11	5		
23 Other Respiratory Diseases	4	2			1				3	2	1	1			1		4	1	1	2	1	1	4	9	1	2	2	1	1	1	2			1	2		
24 Ulcer of stomach or duodenum	1	1			1				4	2					4					1	2														4	1	
25 Diarrhoea under 2 years	5								1												2																
26 Appendicitis	4		1		1		1		1	1								1	1																		
27 Other Digestive Diseases	10	3		2	2	2	1	1	9	12		5				1	1	5		4	5	5	3	8	3		5	4	1	2	3	3	1	4			
28 Nephritis	4	8		1		1	1	4	5	11	3	3	2		1	2		1	5	3	4	4	8	5	4	2	6	6		5	6	2	4	3			
29 Puerperal & post-abort. Sepsis																																					
30 Other maternal causes		1				1			1			2															1		1						1		
31 Premature Birth	4	1			1	1		2	3	3	1		3	1				1																			
32 Con. mal. birth inj. infant. dis.	7	3		1	1	2			4	4	2	1	1	1	3			4		5	1	6	5	3	3	1	3	8	3		2	2			3		
33 Suicide		3			1				4	2	3	1			1					3								2								2	
34 Road Traffic Accident	4	1	1				3		6	1	3	1		1	4	1	1	1			2	1	3	1	1			1	2	1		1		3			
35 Other violent causes	8	3	1	4	3	1	2	2	7	7		1	1		1	1	3		5	2	9	1	3	5	2	2	6	1	2	2		2	8	6			
36 All other causes	20	21		7	5	5	5	4	36	36	3	11	1	4	7	6	7	3	11	7	17	14	31	31	11	16	16	27	10	11	3	4	6	15			
Deaths of Infants (under one year)																																					
Total																																					
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LIVE BIRTHS—Total																																					
Legitimate																																					
Illegitimate																																					
STILL BIRTHS—Total																																					
Legitimate																																					
Illegitimate																																					

* See Notes at foot of Table C

ALL CAUSES
 M. 246
 F. 232
 M. 35
 F. 38

Rank	Male	Female	Total	Disease
1	...	...	...	1 Typhoid and Paratyphoid Fevers
2	...	1	2	2 Cerebro-spinal Fever
3	...	...	...	3 Scarlet Fever
4	1	...	2	4 Whooping Cough
5	...	...	...	5 Diphtheria
6	2	6	8	6 Tuberculosis of Respiratory System
7	...	1	1	7 Other forms of Tuberculosis
8	1	...	1	8 Syphilitic Diseases
9	1	7	2	9 Influenza
10	...	...	...	10 Measles
11	...	...	...	11 Ac: poliomyel: & poli-enceph:
12	...	...	...	12 Ac: inf: enceph:
13	...	4	6	13 Cancer of breast & ovary (M. uterine (T.))
14	1	4	6	14 Cancer of stomach & duodenum
15	2	6	8	15 Cancer of breast
16	2	14	16	16 Cancer of all other sites
17	...	5	...	17 Diabetes
18	1	28	20	18 Intra-cran: vaso: lesions
19	11	62	72	19 Heart Disease
20	2	11	12	20 Other Diseases of Circulatory System
21	2	18	15	21 Bronchitis
22	...	8	14	22 Pneumonia
23	...	1	4	23 Other Respiratory Diseases
24	...	1	1	24 Ulcer of stomach or duodenum

TABLE A.— (Rural).*

CAUSES OF DEATH.	Bucklow R.D.		Chester R.D.		Congleton R.D.		Disley R.D.		Macclesfield R.D.		Nantwich R.D.		Northwich R.D.		Runcorn R.D.		Tarvin R.D.		Tintwistle R.D.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES	49	49	111	79	84	85	23	19	102	100	149	165	187	152	178	171	81	88	8	6
1 Typhoid and Paratyphoid Fevers	1	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	2	...	...
2 Cerebro-Spinal Fever	...	...	...	1	...	...	...	...	...	...	...	...	2	2	...	...	1	...	...	...
3 Scarlet Fever	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
4 Whooping Cough...	...	...	...	...	1	2	...	...	...	...	...	2	2	2	...	...	...	...	...	...
5 Diphtheria	...	...	2	2	...	...	...	...	1	...	2	1	1	...	...	...	...	...	...	...
6 Tuberculosis of Respiratory System	2	...	5	3	3	2	...	...	4	1	5	2	5	4	4	4	6	1	...	...
7 Other forms of Tuberculosis	...	...	1	...	2	...	1	...	1	1	1	...	2	...	3	1	1	...	...	...
8 Syphilitic Diseases	...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	...	1	...	...	...
9 Influenza	1	2	1	2	3	1	...	1	3	2	3	1	3	4	1	4	1	...	...	...
10 Measles	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...	...	...
11 Ac: polio-myel: & polio-enceph:	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 Ac: inf: enceph:	1	...	...	1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
13 Cancer of b: cav: & cesoph: (M.) uterus (F.)	1	...	...	4	...	4	...	...	...	3	3	1	1	1	4	3	1	1	...	...
14 Cancer of stomach & duodenum	2	2	2	3	...	2	...	1	5	5	1	4	7	2	5	4	1	3	...	...
15 Cancer of breast	...	3	...	3	...	1	...	...	...	7	...	3	...	8	...	7	...	4	...	...
16 Cancer of all other sites	4	6	10	5	9	6	1	2	12	13	11	16	16	7	18	10	7	2	...	1
17 Diabetes	...	1	1	1	...	1	1	...	...	...	2	...	1	2	1	3	1	1	...	1
18 Intra-cran: vasc: lesions	5	4	10	6	8	13	3	7	9	12	14	23	13	22	16	11	4	7	1	...
19 Heart Disease	16	7	26	20	16	13	7	5	22	21	37	43	46	31	36	38	24	31	3	3
20 Other Diseases of Circulatory System	5	1	1	3	...	2	2	1	2	3	4	1	4	6	5	8	1	...	...	...
21 Bronchitis	...	2	11	2	10	9	1	...	3	5	6	8	13	10	8	8	5	7	...	...
22 Pneumonia	1	3	10	2	2	2	...	...	3	2	10	8	8	6	11	4	...	2	1	1
23 Other Respiratory Diseases	...	1	2	2	...	3	...	...	6	...	1	1	2	1	2	2	1	1	...	...
24 Ulcer of stomach or duodenum	...	...	2	...	1	...	...	...	1	2	1	...	2	...	6	1	1	1	...	...
25 Diarrhoea (under 2 years)	...	...	2	...	...	...	...	...	1	...	...	1	...	1	2	...	1	...	...	...
26 Appendicitis	...	...	1	1	...	1	...	...	1	2	...	1	1	1	...	1	...	1	...	...
27 Other Digestive Diseases	...	1	6	4	1	1	1	...	2	3	5	4	9	3	2	3	...	3	...	...
28 Nephritis	1	...	...	1	1	2	1	...	3	3	5	3	12	6	10	15	5	4	1	...
29 Puerperal & post-abort: Sepsis	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
30 Other maternal causes	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...
31 Premature Birth	...	1	1	5	1	1	1	...	...	3	2	2	3	...	1	1	3	...	...	...
32 Con: mal: birth inj: infant: dis:	1	1	3	1	5	...	...	...	...	1	7	6	4	3	5	2	2	...	...	...
33 Suicide	...	1	...	2	...	1	...	...	...	1	4	...	...	1	2	1	2	1	...	...
34 Road Traffic Accident	3	1	5	...	2	1	...	...	...	2	4	4	3	...	5	1	7	2	1	...
35 Other violent causes	3	4	4	1	2	2	1	1	6	3	6	3	5	3	8	3	1	2	...	...
36 All other causes	1	7	5	4	17	14	3	1	16	7	14	24	22	18	24	31	7	7	1	...
Deaths of Infants (under one year)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Legitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Illegitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
LIVE BIRTHS—Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Legitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Illegitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
STILLBIRTHS—Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Legitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Illegitimate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* See Notes at foot of Table C.

TABLE B*

CAUSES OF DEATH.	Sex.	AGGREGATE OF URBAN DISTRICTS.										AGGREGATE OF RURAL DISTRICTS.									
		All Ages	0—	1—	5—	15—	45—	65—	All Ages	0—	1—	5—	15—	45—	65—						
ALL CAUSES	M	3793	279	97	60	375	1135	1847	972	62	24	13	99	247	527						
	F	3757	214	65	51	379	906	2142	914	53	14	13	86	194	554						
1. Typhoid and Paratyphoid Fevers	M	1			1	3			1						1						
	F	5		1					4					2	1						
2. Cerebro-spinal Fever	M	24	6	2	5	6	4	1	3				2								
	F	13	1	4	1	5	2		3		3		1								
3. Scarlet fever	M								2												
	F											1	1								
4. Whooping cough	M	11	6	5					3		3										
	F	17	10	6	1				6	4	2										
5. Diphtheria	M	13		8	5				3	1	2	3									
	F	21		8	12	1			6	1	1	1									
6. Tuberculosis of respiratory system	M	166	1	2	2	74	77	11	34		1		14	18	1						
	F	107		2	2	73	23	6	17			1	13	3							
7. Other forms of tuberculosis	M	34		14	3	10	7		12		5		2	3	1						
	F	30	2	6	3	12	4	3	2			1			1						
8. Syphilitic diseases	M	17			1	2	9	5	1						1						
	F	4	1				2	1	4	1					2						
9. Influenza	M	45		4		5	22	14	16	1	1		2	4	8						
	F	60	2			9	15	34	17				2	8	7						
10. Measles	M	4		3	1				3		3										
	F	5	1	3																	
11. Ac: polio-myel: & polio-enceph:	M	2		1		1			1												
	F	1				1			1		1										
12. Ac: inf: enceph:...	M	9		1	1	2	2	3	2				2								
	F	7	1	1		3	2	1	2				1								
13. Cancer of buc: cav: & oesoph: (M.): uterus (F.)	M	46				1	15	30	10					1	9						
	F	71				6	44	21	17				2	8	7						
14. Cancer of stomach and duodenum	M	118				5	54	59	23					9	13						
	F	76				4	26	46	26				1	6	19						
15. Cancer of breast	M	1						1													
	F	122				18	63	41	36				4	20	12						
16. Cancer of all other sites	M	304			1	18	125	160	88		2		5	37	44						
	F	299			1	24	112	162	68				5	20	43						
17. Diabetes	M	20			1	2	5	12	7				1	1	5						
	F	47			1	4	17	25	10				1	4	5						
18. Intra-cranial vascular lesions	M	326				12	77	217	83				3	17	63						
	F	442				2	105	335	105				1	23	81						
19. Heart disease	M	870				28	265	577	233			11		55	167						
	F	915				37	183	695	212			7		32	173						
20. Other diseases of circulatory system	M	109	1			2	11	95	24				1	1	22						
	F	114				1	22	91	25					2	23						
21. Bronchitis	M	267	5	2	1	12	93	154	57	2			1	16	38						
	F	218	12	2		4	47	153	51	4	1		2	8	36						
22. Pneumonia	M	231	61	26	5	16	60	63	46	10	2		1	6	15						
	F	142	42	15	4	9	17	55	30	9			1	4	11						
23. Other respiratory diseases	M	62		3		5	37	17	14		1			7	6						
	F	54	1	3	3	3	16	28	11				3	2	6						
24. Ulcer of stomach or duodenum	M	56				9	34	13	14				3	7	4						
	F	17				1	6	10	4					2	2						
25. Diarrhoea under 2 years	M	24	24						6	6											
	F	16	16						2	2											
26. Appendicitis	M	26		2		8	11	5	3					3							
	F	7			1	3	2	1	8					4	1						
27. Other digestive diseases	M	63	2	5	5	9	32	30	26	1	1		7	4	13						
	F	110	2	2	1	11	39	65	22		2		1	4	13						
28. Nephritis	M	120			2	18	46	54	39			1	2	4	13						
	F	114	1		1	20	35	57	34				1	5	27						
29. Puerperal & post-abort: sepsis	F	5				5			2				2								
30. Other maternal causes	F	18				18			3				3								
31. Premature birth	M	70	70						9	9											
	F	47	47						16	16											
32. Con: mal: birth inj: infant: dis:	M	88	82	2		1	1	1	27	22			1	4							
	F	64	58	2		3		1	14	13			1								
33. Suicide	M	47				9	22	16	8				2		1						
	F	23				9	13	1	8				1		1						
34. Road traffic accident	M	72		3	12	18	26	13	30		1		2	12	7						
	F	20	1	1	2	3	7	6	11		1		2	4	3						
35. Other violent causes	M	171	7	12	9	70	42	31	36	4	2		2	11	7						
	F	115	4	6	7	31	22	46	22	1	1		3	4	10						
36. All other causes	M	376	15	2	5	31	58	265	110	6	2		1	7	74						
	F	431	11	5	10	55	82	268	113	2			1	13	73						
Special causes included in No. 26 above—																					
Trench fever	M	1						1													

CAUSES OF DEATH

Sex	All Ages		
	0-	1-	
M	3783	3783	3783
F	3787	3787	3787
M	1	1	1
F	2	1	1
M	24	2	2
F	13	4	4
M			
F			
M	11	8	8
F	17	8	8
M	13	8	8
F	21	8	8
M	188	202	202
F	107	107	107
M	34	14	14
F	30	18	18
M	27	1	1
F	24	1	1
M	42	4	4
F	80	2	2
M	64	202	202
F	66	202	202
M	12	1	1
F	11	1	1
M	48		
F	71		
M	248	4	4
F	38		
M	112	2	2
F	122	2	2
M	304		
F	286		
M	20		
F	27		
M	306		
F	282		
M	270		

All Causes

1. Typhoid and Paratyphoid Fevers

2. Cerebro-spinal Fever

3. Scarlatina

4. Whooping cough
Diphtheria

5. Diphtheria

6. Tuberculosis of respiratory system

7. Other forms of tuberculosis

8. Syphilitic diseases

9. Influenza

10. Measles

11. Acute poliomyelitis & poliomyelitis

12. Acute encephalitis

13. Cancer of prostate; bladder; rectum; sigmoid; (M.) uterus (F.)

14. Cancer of stomach and duodenum

15. Cancer of breast

16. Cancer of all other sites

17. Diabetes

18. Intra-cranial vascular lesions

19. Heart disease

TABLE C.*

SANTARY DISTRICTS.	Population at Census, 1931.	Estimated Population in middle of 1941.	Area in Acres 1941	Illegitimate Births.	Still Births.	Total Live Births.	Live Birth rate per 1000	Deaths.	Death-rate per 1000	Deaths from								Deaths from Principal Zymotic Diseases.	Principal Zymotic Diseases Death-rate.	Deaths under one year	Deaths under one year to 1000 Births.	Name of Medical Officer of Health, at 1/6/42
										Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Lymphoid and Paratyphoid	Diarrhoea.						
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
MUNICIPAL BOROUGHS																						
Altrincham	29353	3477	3477	22	16	13.6	422						2	3	3	8				62	*Dr. R. R. Dunnean	
Bebington	31877	12234	12234	20	25	16.4	432				1						10			53	*Dr. D. O. Macdonald	
Congleton	14866	5587	5587	17	18	17.5	193						1	1	1		5			74	*Dr. J. Cleminson	
Crowe	48321	4386	4026	40	26	16.2	671			3							5			57	*Dr. J. Ingram	
Dukinfield	19385	1725	1725	8	11	15.4	244						1	1	3		5			74	*Dr. F. W. C. Brown	
Hyde	32313	4170	4170	11	25	12.7	468						2				5			64	*Dr. J. H. D. Lawrie	
Macclesfield	35552	4640	4640	19	27	12.1	524					4					1			63	*Dr. F. Appleton	
Sale	28071	3629	3629	16	25	13.1	474			2			2	1	3		8			39	*Dr. J. Gorman	
Stalybridge	24978	3190	3190	17	14	12.9	355			1		1				2	4			93		
Total Municipal Boroughs	264516	288970	43038	170	185	4148	14.4	3833	13.3		7		11	15	4	26	63	22	253	60		
OTHER URBAN DISTRICTS																						
Alderley Edge	3279	699	699		2	9.8	46														89	*Dr. D. G. Anderson
Alsager	2852	2241	2241	2	5	13.4	49														51	Dr. H. P. Harpur
Bollington	5062	1442	1442	2	5	14.8	66				1										27	Dr. J. W. Chadwick
Bowdon	3341	1090	1090	1	1	10.9	38														17	Dr. W. N. W. Kennedy
Bredbury & Romiley	11690	4753	4753	5	9	14.1	190						4				4				46	*Dr. H. R. Dugdale
Cheadle & Gatley	18535	5299	5299	15	11	13.2	310							2		1	4				73	*Dr. D. G. Anderson
Ellesmere Port	23057	9144	9144	30	17	19.8	301			1		1	4			3	9				31	*Dr. W. J. Birchall
Hale	11011	2264	2264	7	2	10.2	149														48	Dr. D. Connolly
Hazel Grove and Bramhall	12377	4528	4528	8	10	13.3	234									1	3				51	*Dr. H. R. Dugdale
Hootle	5892	672	672	6	3	16.5	91										3				40	*Dr. M. E. Russell
Hoylake	19745	5934	5934	15	12	11.4	388										1				48	*Dr. J. Hatton
Knutsford	6173	2485	2485	3	3	10.1	74										1				105	Dr. A. T. Blease
Longdendale	5145	3545	3545	2		11.9	75							2	1		3				88	Dr. C. Kodilinyo
Lymm	5637	4241	4241	3	4	13.0	75										1				88	Dr. J. Bennett
Marple	11088	7130	7130	3	4	9.9	196										1				43	*Dr. H. R. Dugdale
Middlewich	5857	1971	1971	4	4	18.2	69														59	*Dr. W. S. Slater
Nantwich	8639	1177	1177	6	5	11.6	137														79	Dr. K. Knowles
Neston	7911	8495	8495	7	5	15.3	117														72	*Dr. J. Hatton
Northwich	20827	2146	2146	17	16	15.1	211							1			1				48	*Dr. W. S. Slater
Runcorn	22587	2914	2914	18	13	18.1	276						2			2	4				68	Dr. J. Cullen (acting)
Sandbach	8267	3716	3716	8	6	17.8	100														61	*Dr. J. Cleminson
Wilmslow	11956	7694	7694	12	6	12.6	175						1			1	2				34	*Dr. D. G. Anderson
Winsford	11346	7094	7094	11	7	15.4	132						7	1			8				48	*Dr. W. S. Slater
Wirral	9599	5639	5639	4	11	13.5	218						1		1	5	7				58	*Dr. J. Hatton
Total Urban Districts	251873	311220	96313	189	161	4421	14.2	3717	11.9		2		23	13	2	14	54	17	240	53		
RURAL DISTRICTS																						
Bucklow	10094	46103	46103	8	6	12.4	98										1				30	Dr. A. T. Blease
Chester	14518	43677	43677	9	8	14.8	190										2				57	*Dr. W. J. Birchall
Congleton	10876	38704	38704	5	8	13.4	169										3				69	*Dr. J. Cleminson
Disley	2614	2208	2208	1		10.8	42														30	*Dr. H. R. Dugdale
Macclesfield	17975	74142	74142	11	3	10.3	202										1				25	*Dr. J. Cleminson
Nantwich	23869	100644	100644	22	14	14.7	314			1		1				1	3				69	Dr. O. H. Blacklay
Northwich	26180	37504	37504	24	19	15.6	339										1				37	*Dr. W. S. Slater
Runcorn	27580	45765	45765	14	14	12.3	349			1	1	1	4				2				40	Dr. J. Bennett (acting)
Tarvin	14388	62593	62593	13	9	15.8	169										2				51	*Dr. W. J. Birchall
Tintwistle	1392	11855	11855			16.1	14										1				50	Dr. N. Fenton
Total Rural Districts	149186	174220	483395	107	81	2391	13.7	1886	10.8		3	2	9	9	5	8	36	21	115	48		
Administrative County	665575	774410	622746	466	427	10960	14.2	9436	12.2		12	2	43	37	11	48	153	20	608	55	* Whole Time Medical Officers of Health.	

* N.B.—Non-civilian deaths are excluded.

Deaths of persons resident away from home for war reasons have not been transferred to area of usual residence but births have continued to be so transferred. The rates of infantile mortality have been calculated from adjusted figures based on an assignment corresponding to that adopted for deaths.

Ward	Population	Area	Rate	Value	Ward	Population	Area	Rate	Value					
MUNICIPAL BOROUGH														
1	22383	7.45	...	...	1	22383	7.45	...	...			
2	22187	7.45	...	...	2	22187	7.45	...	...			
3	71488	7.45	...	...	3	71488	7.45	...	...			
4	94831	7.45	...	...	4	94831	7.45	...	...			
5	21935	7.45	...	...	5	21935	7.45	...	...			
6	13213	7.45	...	...	6	13213	7.45	...	...			
7	23552	7.45	...	...	7	23552	7.45	...	...			
8	23071	7.45	...	...	8	23071	7.45	...	...			
9	72478	7.45	...	...	9	72478	7.45	...	...			
OTHER URBAN DISTRICTS														
10	3279	7.45	...	...	10	3279	7.45	...	...			
11	2852	7.45	...	...	11	2852	7.45	...	...			
12	5082	7.45	...	...	12	5082	7.45	...	...			
13	3341	7.45	...	...	13	3341	7.45	...	...			
14	11800	7.45	...	...	14	11800	7.45	...	...			
15	21835	7.45	...	...	15	21835	7.45	...	...			
16	23037	7.45	...	...	16	23037	7.45	...	...			
17	71017	7.45	...	...	17	71017	7.45	...	...			
18	12377	7.45	...	...	18	12377	7.45	...	...			
19	5882	7.45	...	...	19	5882	7.45	...	...			
20	51874	7.45	...	...	20	51874	7.45	...	...			
21	6173	7.45	...	...	21	6173	7.45	...	...			
22	5145	7.45	...	...	22	5145	7.45	...	...			
23	5837	7.45	...	...	23	5837	7.45	...	...			
24	11088	7.45	...	...	24	11088	7.45	...	...			
25	6837	7.45	...	...	25	6837	7.45	...	...			
26	6839	7.45	...	...	26	6839	7.45	...	...			
27	7011	7.45	...	...	27	7011	7.45	...	...			
28	718027	7.45	...	...	28	718027	7.45	...	...			
29	62327	7.45	...	...	29	62327	7.45	...	...			
30	6387	7.45	...	...	30	6387	7.45	...	...			
31	21198	7.45	...	...	31	21198	7.45	...	...			
32	11134	7.45	...	...	32	11134	7.45	...	...			
33	2599	7.45	...	...	33	2599	7.45	...	...			
RURAL DISTRICTS														
34	10094	7.45	...	...	34	10094	7.45	...	...			
35	14518	7.45	...	...	35	14518	7.45	...	...			
36	10879	7.45	...	...	36	10879	7.45	...	...			
37	3814	7.45	...	...	37	3814	7.45	...	...			
38	117075	7.45	...	...	38	117075	7.45	...	...			
39	23869	7.45	...	...	39	23869	7.45	...	...			
40	28180	7.45	...	...	40	28180	7.45	...	...			
41	37880	7.45	...	...	41	37880	7.45	...	...			
42	11488	7.45	...	...	42	11488	7.45	...	...			
43	1392	7.45	...	...	43	1392	7.45	...	...			
TOTAL														
Municipal Boroughs					Other Urban Districts					Rural Districts				
2288370					7178					12320				